	T				T						I.	1	
DATE	4/2/2003	0.1.	0 = ::		WEATHE		Clear	P. Cloudy			Lt. Rain	1	
TRANSECT	1=Bogue	2=Inlet	3=Dudley	4=Bear	WIND SP		0-10	10-15	15-20	>20			
OBSERVER		Coward, Ca	arroll			RECTION	N	NE	Е	SE	S	SW	W NW
TIDE: LOW	1357				AIR TEM	۲.	74	1					
HIGH	0753]					
DISTURBANCE LEVEL	none												
DISTURBANCE SOURCE	none												
START TIME	1347												
END TIME	1519	01:55		1	IN ITESTI			DE : 0: 7	1				
0050150	<u> </u>	SURF	1 a · · · ·		INTERTID.		- "	BEACH			.		
SPECIES	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating		Breedi	ng/Note	es .
Common Loon													
Brown Pelican						10							
Double-crested Cormorant				35	132	4							
Great Blue Heron													
Great Egret													
Snowy Egret													
Little Blue Heron													
Tricolored Heron													
White Ibis		1				1		1					
Glossy Ibis		-		4		-				1			
Black-bellied Plover	-	1		1		-		-					
Wilson's Plover		-				-				1			
Semipalmated Plover													
Piping Plover													
Killdeer													
American Oystercatcher													
Greater Yellowlegs													
Solitary Sandpiper													
Willet Spotted Sandpiper													
Whimbrel													
Marbled Godwit													
Ruddy Turnstone Red Knot				4									
Sanderling				7		2							
Semipalmated Sandpiper				,									
Western Sandpiper													
Least Sandpiper													
Pectoral Sandpiper													
Dunlin													
Short-billed Dowitcher													
Long-billed Dowitcher													
Laughing Gull					3	1							
Bonaparte's Gull		+		4	4	12							
Ring-billed Gull		1		4	10	3		1					
Herring Gull				6	47	8							
Lesser Black-backed Gull				J 3	71	0							
Great Black-backed Gull										1			
Gull-billed Tern													
Caspian Tern										1			
Royal Tern					18	6				1			
Sandwich Tern													
Common Tern													
Forster's Tern		1			24	2		1					
Least Tern						1							
Black Tern						<u> </u>							
Black Skimmer													
OTHER SPECIES													
Boat-tailed Grackle													
Mallard						3							
Red-breasted Merganser						12							
Red-throated Loon						1							
		1											
		1						1		1			
L	1	1	1	1.1	1			1	1				

DATE	4/2/2003				WEATHE	R/SKY	Clear	P. Cloudy	Cloudy	Fog	Lt. Raii	n	
TRANSECT		2=Inlet	3=Dudley	4=Rear	WIND SP		0-10	10-15	15-20	>20	Li. Nali	4	
OBSERVER		Coward, Ca		7-DCal	WIND DIF		N	NE	E	SE	S	SW	W NW
TIDE: LOW	1357	ovidiu, Oa			AIR TEMP		74	145	_	JL		OVV	** 141/
HIGH	0753				/ dix i Livii	i	7 -						
DISTURBANCE LEVEL	low				1	1		1					
	dog tracks	s. 4 kavake	ers										
START TIME			st east>	west 11	57								
END TIME	1209	> 00		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
	.200	SURF			INTERTIDA	λL		BEACH					
SPECIES	Feeding	Resting	Migrating	Feeding		Migrating	Feeding		Migrating		Breed	ing/Note	es
Common Loon			3 3			3 *** 3	J J		3 3			J	
Brown Pelican													
Double-crested Cormorant													
Great Blue Heron													
Great Egret									6				
Snowy Egret				1									
Little Blue Heron													
Tricolored Heron													
White Ibis													
Glossy Ibis													
Black-bellied Plover				3									
Wilson's Plover				5									
Semipalmated Plover				3						1			
Piping Plover													
Killdeer										1			
American Oystercatcher				2						1			
Greater Yellowlegs				_									
Solitary Sandpiper													
Willet				3									
Spotted Sandpiper													
Whimbrel													
Marbled Godwit													
Ruddy Turnstone													
Red Knot													
Sanderling													
Semipalmated Sandpiper													
Western Sandpiper				1									
Least Sandpiper				-									
Pectoral Sandpiper													
Dunlin				2									
Short-billed Dowitcher													
Long-billed Dowitcher													
Laughing Gull									3				
Bonaparte's Gull									-				
Ring-billed Gull													
Herring Gull						2							
Lesser Black-backed Gull													
Great Black-backed Gull													
Gull-billed Tern													
Caspian Tern													
Royal Tern			1										
Sandwich Tern													
Common Tern													
Forster's Tern	1		5										
Least Tern													
Black Tern													
Black Skimmer													
OTHER SPECIES													
Boat-tailed Grackle													
Mallard													
Red-breasted Merganser													
Red-throated Loon													
	1	1		1	1		1		ı	-1			

DATE	4/2/2003				WEATHE	R/SKY	Clear	P. Cloudy	Cloudy	Fog	Lt. Rai	n	
TRANSECT		2=Inlet	3=Dudley	4=Bear	WIND SPI		0-10	10-15	15-20	>20		- 1	
OBSERVER		oward, Ca		Į.	WIND DIR	ECTION	N	NE	Е	SE	S	SW	W NW
TIDE: LOW	1357				AIR TEMP).	76						
HIGH	0753												
DISTURBANCE LEVEL	none												
DISTURBANCE SOURCE		oe along b											
START TIME		lk to east a	at east 1238	- east end	l at 1347								
END TIME	1405									_			
ODEOLEO	Faradia a	SURF	Minuntin		INTERTIDA		Facilian	BEACH	Minustin n	-	Descri	:/N	
SPECIES Common Loon	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating	1	Breed	ling/Not	es
Brown Pelican	1		1										
Double-crested Cormorant	ı		ı			3							
Great Blue Heron						1							
Great Egret						1							
Snowy Egret													
Little Blue Heron													
Tricolored Heron													
White Ibis													
Glossy Ibis													
Black-bellied Plover				6									
Wilson's Plover				1									
Semipalmated Plover													
Piping Plover				3									
Killdeer				1		1				1 ~25	ds fron	sandb	ags - no
American Oystercatcher													f inlet - 1
Greater Yellowlegs				1							d; left-re		
Solitary Sandpiper				_									hite "tab"
Willet Spotted Sandpiper				6						tag ab	ove the	elbow	
Whimbrel													
Marbled Godwit													
Ruddy Turnstone													
Red Knot													
Sanderling													
Semipalmated Sandpiper				6									
Western Sandpiper													
Least Sandpiper				24									
Pectoral Sandpiper													
Dunlin													
Short-billed Dowitcher				48									
Long-billed Dowitcher				5									
Laughing Gull Bonaparte's Gull				2	4	4							
Ring-billed Gull				6	4	4			1				
Herring Gull				0	1	4			1				
Lesser Black-backed Gull					1	1							
Great Black-backed Gull													
Gull-billed Tern													
Caspian Tern													
Royal Tern			1										
Sandwich Tern						2			1				
Common Tern													
Forster's Tern				7	10								
Least Tern					1	1							
Black Tern					1								
Black Skimmer					1								
OTHER SPECIES Boat-tailed Grackle				2	 								
Boat-tailed Grackie					1			+					
					1			+					
					 								
										· <u></u>			·

DATE	4/2/2003				WEATHE	D/CKV	Clear	P. Cloudy	Cloudy	Fog	Lt. Rai	n	
TRANSECT		2 Inlat	3=Dudley	4 Door	WIND SP			10-15			Li. Kai	П	
	1=Bogue			4=bear			0-10		15-20	>20	_	0144	14/ 11/4
OBSERVER		Coward, Ca	irroll		WIND DIF		N	NE	E	SE	S	SW	W NW
TIDE: LOW	1357				AIR TEMP	, <u> </u>	74						
HIGH	0753												
DISTURBANCE LEVEL	low												
DISTURBANCE SOURCE	2 people v		0.10										
START TIME		st end at 1	648										
END TIME	1705												
0050150		SURF		- "	INTERTIDA			BEACH	1 a		_	/	
SPECIES	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating	<u> </u>	Breed	ling/Not	es
Common Loon													
Brown Pelican									4				
Double-crested Cormorant									5				
Great Blue Heron													
Great Egret													
Snowy Egret													
Little Blue Heron													
Tricolored Heron													
White Ibis													
Glossy Ibis													
Black-bellied Plover													
Wilson's Plover													
Semipalmated Plover										<u></u>	1 1 -		
Piping Plover				1						bande			ht-orange
Killdeer											OV	er blue	
American Oystercatcher													
Greater Yellowlegs													
Solitary Sandpiper													
Willet													
Spotted Sandpiper													
Whimbrel													
Marbled Godwit													
Ruddy Turnstone													
Red Knot													
Sanderling	1								1	<u> </u>			
Semipalmated Sandpiper										<u> </u>			
Western Sandpiper													
Least Sandpiper										<u> </u>			
Pectoral Sandpiper										<u> </u>			
Dunlin													
Short-billed Dowitcher										₩			
Long-billed Dowitcher										₩			
Laughing Gull						1				-			
Bonaparte's Gull									1	+			
Ring-billed Gull										+			
Herring Gull										+			
Lesser Black-backed Gull										+			
Great Black-backed Gull Gull-billed Tern					1					+			
Caspian Tern					1					+			
Royal Tern					1					+			
					+					+			
Sandwich Tern										+			
Common Tern Forster's Tern			2			4			2	+			
Least Tern			2			1			2	+			
Black Tern					-					+			
Black Skimmer					+					+			
OTHER SPECIES					+					+			
Boat-tailed Grackle					1					+			
Mallard					1					+			
Red-breasted Merganser							H			+			
Red-throated Loon							H			+			
Neu-inioateu Loon					+					+			
										+			
					1					+			
					1					†			
	1	1	I.	1-1	1	1	1 1	1	1	1			

DATE	4/14/2003				WEATHE	R/SKY	Clear	P. Cloudy	Cloudy	Fog	Lt. Rai	n	
TRANSECT	1=Bogue		3=Dudley	4=Bear	WIND SPI		0-10	10-15	15-20	>20	Li. Nai	''	
OBSERVER	Cooper, C		5-Eduley	Deal	WIND DIF		N	NE	E	SE	S	SW	W NW
TIDE: LOW	1225	un on			AIR TEMP		73	.46		OL.		CVV	4 A 14AA
HIGH	1835				/ III TEIVII	Ī	70						
DISTURBANCE LEVEL	medium-h	iah			1	1		1					
			redge nines	. 3 people	. 1 doa runi	ning chasing	n birds						
START TIME	1030	40201, 0	Jugo pipos	, o poopio	, augrain	ig ondoning	, 211 40						
END TIME	1205												
	.200	SURF			INTERTIDA	AL		BEACH					
SPECIES	Feeding	Resting	Migrating			Migrating	Feeding		Migrating	1	Breed	ling/Note	es
Common Loon			Jg			J			Jg			J J.	
Brown Pelican			1							1			
Double-crested Cormorant			-										
Great Blue Heron			1				1			1			
Great Egret						2	1			1			
Snowy Egret						2			1				
Little Blue Heron						<u> </u>	1						
Tricolored Heron							1						
White Ibis													
Glossy Ibis													
Black-bellied Plover			1	8			1	7	1	1			
Wilson's Plover			1	8			1	1		1			
Semipalmated Plover				8									
Piping Plover				3			1			lef	t-red rig	ht-yello	w over
Killdeer											_	range	
American Oystercatcher													
Greater Yellowlegs				1									
Solitary Sandpiper													
Willet				2	2	3					2 restin	g/courts	hip
Spotted Sandpiper												-	
Whimbrel													
Marbled Godwit													
Ruddy Turnstone			1	1	1								
Red Knot													
Sanderling				4			1		3				
Semipalmated Sandpiper				4									
Western Sandpiper				8									
Least Sandpiper													
Pectoral Sandpiper													
Dunlin				35				<u> </u>					
Short-billed Dowitcher				20									
Long-billed Dowitcher													
Laughing Gull				4		3			2				
Bonaparte's Gull						1							·
Ring-billed Gull									5				·
Herring Gull						16							
Lesser Black-backed Gull													
Great Black-backed Gull								2					
Gull-billed Tern												-	
Caspian Tern												-	
Royal Tern					22	11							
Sandwich Tern					2								
Common Tern													
Forster's Tern			1		3	4							
Least Tern					13	13							
Black Tern													
Black Skimmer													
OTHER SPECIES													
Boat-tailed Grackle				6		1		2					
Red-winged Blackbird						1							
Barn Swallow						2							
Red-breasted Merganser						1							
House Sparrow				4									
										1			

	T.									
DATE	4/14/2003		_		WEATHE		Clear	P. Cloudy		Fog Lt. Rain
TRANSECT			3=Dudley	4=Bear	WIND SP		0-10	10-15	15-20	>20
OBSERVER	Cooper, C	Carroll			WIND DIF		N	NE	Е	SE S SW W NW
TIDE: LOW	1225				AIR TEM	Ρ.	70			
HIGH	1835									
DISTURBANCE LEVEL	none									
DISTURBANCE SOURCE	none									
START TIME	1315									
END TIME	1421									
0050150		SURF	Is a: .:		INTERTID		- "	BEACH	1 at 12	
SPECIES	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Breeding/Notes
Common Loon										
Brown Pelican			2							
Double-crested Cormorant	1									
Great Blue Heron						4				
Great Egret						4				
Snowy Egret										
Little Blue Heron										
Tricolored Heron						1				
White Ibis										
Glossy Ibis				4						
Black-bellied Plover				1						
Wilson's Plover	1			_						
Semipalmated Plover	1			2						
Piping Plover										
Killdeer										
American Oystercatcher										
Greater Yellowlegs										
Solitary Sandpiper					0	0				
Willet					2	2				
Spotted Sandpiper				4						
Whimbrel Marbled Godwit				1						
Ruddy Turnstone Red Knot										
Sanderling				2						
Semipalmated Sandpiper										
Western Sandpiper										
Least Sandpiper										
Pectoral Sandpiper										
Dunlin										
Short-billed Dowitcher										
Long-billed Dowitcher										
Laughing Gull										
Bonaparte's Gull	1									
Ring-billed Gull	1									
Herring Gull						12				
Lesser Black-backed Gull						14				
Great Black-backed Gull										
Gull-billed Tern										
Caspian Tern										
Royal Tern						2				
Sandwich Tern						_				
Common Tern										
Forster's Tern						1				
Least Tern	1				2	2				
Black Tern	1					_				
Black Skimmer	1									
OTHER SPECIES										
Boat-tailed Grackle										
Red-winged Blackbird					1					
					<u> </u>					
	1									
	1									
		1								
L	1	1	1	1.1	1	1		1	1	1

TRANSECT	DATE	4/14/2003				WEATHE	R/SKY	Clear	P. Cloudy	Cloudy	Fog	Lt. Rai	n	
OBSERVER Cooper, Carroll WIND DIRECTION N N E S S SW W NW				3=Dudlev	4=Bear									
TIDE				3 = udicy	. 2001							S	SW	W NW
HIGH 1836										_	<u> </u>		1	1444
DISTURBANCE LEVEL DISTURBENCE SOURCE DISTURBE								1						
DISTURBANCE SOURCE 1522 SURF Feeding Resting Migrating Resting Migrating Feeding Resting Feeding Resting Migrating Feeding Resting Migrating Feeding Resting Feeding Resting Resti						1	1		1					
START TIME 1522														
SURF	START TIME													
SURF NITERTIDAL BEACH	END TIME													
SPECIES Feeding Resting Migrating Feeding Resting Migrating Feeding Resting Migrating Migrating Resting Migrating			SURF			INTERTIDA	λL		BEACH					
Common Loon	SPECIES	Feeding		Migrating				Feeding		Migrating	L	Breed	ling/Note	es
Double-rested Commant	Common Loon	_	_			_		_	_				-	
Great Bule Heron Great Egret Showy Egret Little Blue Heron Tricolorod Hero	Brown Pelican						2							
Great Egret Little Blue Heron White bits Glossy bits Black-belded Plover William Sandpiper Least Sandpiper Dunin 11 Dunin 11 Dunin 11 Dunin 11 Dunin 11 Dunin 11 Dunin Sandpiper Dunin Sandpiper Dunin Sandpiper Uning-billed Dowitcher Long-billed Dowitcher Long-billed Guil Bandpiper Guil	Double-crested Cormorant						4							
Snowy Egret	Great Blue Heron													
Snowy Egret	Great Egret													
Tricolored Heron White Ibis Glossy Ibis Black-beilled Plover Wilson's Plover Semipalmated Plover Piping Plover Kilideer	Snowy Egret													
White bits	Little Blue Heron													
Black-bellied Plower	Tricolored Heron													
Black-bellied Plower	White Ibis													
Black-bellied Plover	Glossy Ibis													
Wilson's Plover	Black-bellied Plover				1		6							
Semipalmated Plover	Wilson's Plover													
Piping Player	Semipalmated Plover				2									
Killder	Piping Plover													
Greater Yellowlegs Solitary Sandpiper Willet Spotted Sandpiper Willet Spotted Sandpiper Whimbrel Marbied Godwit Ruddy Turnstone Red Knot Sanderling Semipalmated Sandpiper Western Sandpiper Western Sandpiper Western Sandpiper Pectoral Sandpiper Pectoral Sandpiper Pectoral Sandpiper Pectoral Sandpiper Pectoral Sandpiper Peteroral Sandpiper Petero	Killdeer													
Greater Yellowlegs Solitary Sandpiper Willet Spotted Sandpiper Willet Spotted Sandpiper Whimbrel Marbied Godwit Ruddy Turnstone Red Knot Sanderling Semipalmated Sandpiper Western Sandpiper Western Sandpiper Western Sandpiper Pectoral Sandpiper Pectoral Sandpiper Pectoral Sandpiper Pectoral Sandpiper Pectoral Sandpiper Peteroral Sandpiper Petero	American Oystercatcher													
Solitary Sandpiper Willet Spotted Sandpiper Whimbrel Marbled Godwit Ruddy Turnstone Red Knot Sanderling Semipalmated Sandpiper Sectoral Sandpiper Substitution Standpiper Substitution Stan	Greater Yellowlegs								<u> </u>					
Willet <td>Solitary Sandpiper</td> <td></td>	Solitary Sandpiper													
Whimbrel <	Willet								<u> </u>					
Whimbrel <	Spotted Sandpiper													
Ruddy Turnstone 1	Whimbrel													
Ruddy Turnstone 1	Marbled Godwit													
Red Knot	Ruddy Turnstone													
Samberling	Red Knot				1									
Semipalmated Sandpiper 2	Sanderling				12									
Western Sandpiper	Semipalmated Sandpiper													
Least Sandpiper	Western Sandpiper				2									
Pectoral Sandpiper	Least Sandpiper													
Dunlin Short-billed Dowitcher 2	Pectoral Sandpiper								<u> </u>					
Short-billed Dowitcher	Dunlin				11				<u> </u>					
Laughing Gull 2 6 6 Bonaparte's Gull 3 3 Ring-billed Gull 2 4 Herring Gull 8 8 Lesser Black-backed Gull 6 6 Great Black-backed Gull 6 6 Gull-billed Tern 7 7 Caspian Tern 7 7 Royal Tern 37 7 Sandwich Tern 140 7 Common Tern 65 7 Forster's Tern 65 7 Least Tern 2 12 Black Skimmer 7 7 OTHER SPECIES 8 8 Boat-tailed Grackle 8 8 Mallard 8 8	Short-billed Dowitcher													
Bonaparte's Gull 3 3	Long-billed Dowitcher													
Ring-billed Gull					2		6							
Herring Gull	Bonaparte's Gull					3								
Lesser Black-backed Gull Great Black-backed Gull Gull-billed Tern Caspian Tern Royal Tern 37 Sandwich Tern 140 Common Tern 65 Forster's Tern 2 Least Tern 2 Black Tern Black Skimmer OTHER SPECIES Boat-tailed Grackle Mallard Red-breasted Merganser	Ring-billed Gull													
Lesser Black-backed Gull Great Black-backed Gull Gull-billed Tern Caspian Tern Royal Tern 37 Sandwich Tern 140 Common Tern 65 Forster's Tern 2 Least Tern 2 Black Tern Black Skimmer OTHER SPECIES Boat-tailed Grackle Mallard Red-breasted Merganser	Herring Gull					8	8							
Gull-billed Tern Caspian Tern Royal Tern 37 Sandwich Tern 140 Common Tern 65 Forster's Tern 2 Least Tern 2 Black Tern 8 Black Skimmer 9 OTHER SPECIES 8 Boat-tailed Grackle Mallard Red-breasted Merganser 8	Lesser Black-backed Gull													
Caspian Tern 37 Royal Tern 37 Sandwich Tern 140 Common Tern 65 Forster's Tern 2 Least Tern 2 Black Tern 8 Black Skimmer 9 OTHER SPECIES 9 Boat-tailed Grackle 9 Mallard 8 Red-breasted Merganser 9														
Royal Tern 37 Sandwich Tern 140 Common Tern 65 Forster's Tern 2 Least Tern 2 Black Tern 8 Black Skimmer 9 OTHER SPECIES 9 Boat-tailed Grackle 9 Mallard 8 Red-breasted Merganser 9	Gull-billed Tern													
Sandwich Tern 140 Common Tern 65 Forster's Tern 2 Least Tern 2 Black Tern 8 Black Skimmer 9 OTHER SPECIES 9 Boat-tailed Grackle 9 Mallard 8 Red-breasted Merganser 9													-	
Common Tern 65 Forster's Tern 2 Least Tern 2 Black Tern 8 Black Skimmer 9 OTHER SPECIES 9 Boat-tailed Grackle 9 Mallard 9 Red-breasted Merganser 9														-
Forster's Tern						140								
Least Tern 2 2 12 Black Tern 8 8 8 DTHER SPECIES 8 <														
Black Tern Black Skimmer OTHER SPECIES Boat-tailed Grackle Boat-tailed Grackle Boat-tailed Grackle Mallard Red-breasted Merganser														
Black Skimmer OTHER SPECIES Boat-tailed Grackle Mallard Red-breasted Merganser		2			2	12								
OTHER SPECIES Boat-tailed Grackle Mallard Red-breasted Merganser	Black Tern													
Boat-tailed Grackle Mallard Red-breasted Merganser														
Mallard Red-breasted Merganser														
Red-breasted Merganser	Boat-tailed Grackle													
	Mallard													
Red-throated Loon														
	Red-throated Loon													

DATE	4/14/2003				WEATHE	R/SKY	Clear	P. Cloudy	Cloudy	Fog	Lt. Rai	n	
TRANSECT			3=Dudley	4=Bear	WIND SP		0-10	10-15	15-20	>20		- 4	
OBSERVER	Cooper, C		,		WIND DIF		N	NE	E	SE	S	SW	W NW
TIDE: LOW	1225				AIR TEMP		74			~-			
HIGH	1835												
DISTURBANCE LEVEL	none				1	1		1					
	none												
START TIME	1655												
END TIME	1747												
		SURF			INTERTIDA			BEACH					
SPECIES	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating		Breed	ling/Not	es
Common Loon													
Brown Pelican			5										
Double-crested Cormorant													
Great Blue Heron													
Great Egret													
Snowy Egret													
Little Blue Heron													
Tricolored Heron													
White Ibis													
Glossy Ibis							1	_					
Black-bellied Plover				1				3					
Wilson's Plover						3		3					
Semipalmated Plover				_									
Piping Plover				2						1			
Killdeer							1						
American Oystercatcher													
Greater Yellowlegs				1									
Solitary Sandpiper	1						1						
Willet													
Spotted Sandpiper	-						1						
Whimbrel													
Marbled Godwit	-						1						
Ruddy Turnstone													
Red Knot			0		A								
Sanderling			2	6	4		1						
Semipalmated Sandpiper							1						
Western Sandpiper Least Sandpiper							1						
Pectoral Sandpiper							1						
Dunlin							1		3				
Short-billed Dowitcher							1		3				
Long-billed Dowitcher							1						
Laughing Gull	3							2					
Bonaparte's Gull	10				8	12		6	1				
:	10		2		O			U	ı				
Ring-billed Gull Herring Gull			2			2		2	1				
Lesser Black-backed Gull									'				
Great Black-backed Gull								1					
Gull-billed Tern													
Caspian Tern							1						
Royal Tern			2		20	6	1		3				
Sandwich Tern					36				3				
Common Tern							1						
Forster's Tern					46	5	1						
Least Tern			5		16	6	1		2				
Black Tern					1.5		1		_				
Black Skimmer													
OTHER SPECIES													
Boat-tailed Grackle													
Mallard							1						
Red-breasted Merganser							1						
Red-throated Loon							1						
		1	1	1	1		1	1		1			

DATE	4/22/2003	,			WEATHE	R/SKY	Clear	P. Cloudy	Cloudy	Fog	Lt. Rai	n	
TRANSECT	1=Bogue		3=Dudley	4=Bear	WIND SP		0-10	10-15	15-20	>20	L. Rai	-1	
OBSERVER	Karriker, C	Carroll	anoy	501	WIND DIF		N	NE	E	SE	S	SW	W NW
TIDE: LOW	0725				AIR TEMP		65						1
HIGH	1315						- 1						
DISTURBANCE LEVEL	none				1	1		1					
DISTURBANCE SOURCE	none												
START TIME	0736												
END TIME	0856												
		SURF			INTERTIDA			BEACH					
SPECIES	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating		Breed	ing/Note	s
Common Loon									3				
Brown Pelican													
Double-crested Cormorant									2				
Great Blue Heron													
Great Egret								1					
Snowy Egret													
Little Blue Heron													
Tricolored Heron													
White Ibis													
Glossy Ibis				_									
Black-bellied Plover				5									
Wilson's Plover				1				2					
Semipalmated Plover				13									
Piping Plover		-		3						-			
Killdeer													
American Oystercatcher				2									
Greater Yellowlegs Solitary Sandpiper		1		2									
Willet		1		7		4		2					
		1		/		1							
Spotted Sandpiper Whimbrel		1		1									
Marbled Godwit				<u> </u>									
Ruddy Turnstone				1									
Ruddy Turnstone Red Knot				1									
Sanderling				5			4						
Semipalmated Sandpiper				3			7						
Western Sandpiper				3									
Least Sandpiper							1						
Pectoral Sandpiper										1			
Dunlin				22									
Short-billed Dowitcher						1							
Long-billed Dowitcher						·							
Laughing Gull					1	10			4				
Bonaparte's Gull					3	-			3				
Ring-billed Gull					2				_				
Herring Gull					1				1				
Lesser Black-backed Gull													
Great Black-backed Gull													
Gull-billed Tern													
Caspian Tern										L			
Royal Tern									1			-	
Sandwich Tern						2			3				
Common Tern													
Forster's Tern				1		3							
Least Tern					2	5			3				
Black Tern													
Black Skimmer						2							
OTHER SPECIES													
Boat-tailed Grackle								1	3				
Northern Gannet								1					
Red-winged Blackbird									3				
Barn Swallow						4			1				
Red-breasted Merganser									2				

DATE	4/22/2003	1			WEATHE	D/SKV	Clear	P. Cloudy	Cloudy	Fog I	Lt. Rai	2	
TRANSECT			3=Dudley	4=Bear	WIND SPI		0-10	10-15	15-20	>20	Li. Itai	•	
OBSERVER	Karriker,		3=Dudley	4=Deal	WIND DIR		N	NE	E	SE	S	SW	W NW
		Carroll			AIR TEMF			INE		SE	_ 5_	SVV	VV INVV
TIDE: LOW	0725				AIR IEMF	· .	65						
HIGH DISTURBANCE LEVEL	1315												
DISTURBANCE LEVEL DISTURBANCE SOURCE	none												
	none												
START TIME	0657												
END TIME	0724	OUDE		1	NITEDTID (55.011					
ODEOLEO	E P	SURF	8.41	F	INTERTIDA		E	BEACH	N 40		.	· /k1	
SPECIES	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating		Breed	ing/Note	S
Common Loon						1							
Brown Pelican													
Double-crested Cormorant													
Great Blue Heron													
Great Egret													
Snowy Egret													
Little Blue Heron													
Tricolored Heron													
White Ibis													
Glossy Ibis										1			
Black-bellied Plover				2									
Wilson's Plover													
Semipalmated Plover				2									
Piping Plover													
Killdeer													
American Oystercatcher													
Greater Yellowlegs													
Solitary Sandpiper													
Willet													
Spotted Sandpiper													
Whimbrel													
Marbled Godwit													
Ruddy Turnstone													
Red Knot													
Sanderling				4									
Semipalmated Sandpiper													
Western Sandpiper													
Least Sandpiper													
Pectoral Sandpiper													
Dunlin													
Short-billed Dowitcher													
Long-billed Dowitcher													
Laughing Gull					8	4							
Bonaparte's Gull					1								
Ring-billed Gull					1								
Herring Gull					1					1			
Lesser Black-backed Gull										1			
Great Black-backed Gull													
Gull-billed Tern		1								1			
Caspian Tern													
Royal Tern													
Sandwich Tern						1							
Common Tern						1							
Forster's Tern						1							
Least Tern					3					1			
Black Tern										1			
Black Skimmer													
OTHER SPECIES		1								1			
Boat-tailed Grackle		1								1			
Mallard		1								 			
Red-breasted Merganser		1		H						 			
Red-throated Loon		1		+						1			
. 154 11154154 25511				+						1			
										-			
		1		H						 			
		1		H						 			
	1	1		LI	1	1	<u> </u>	1	1	1			

[Ta a re	- /a		1=	-		T		
DATE	4/22/2003		o B "		WEATHE		Clear	P. Cloudy			Lt. Rai	n	
TRANSECT	1=Bogue		3=Dudley	4=Bear	WIND SP		0-10	10-15	15-20	>20			144
OBSERVER	Karriker, C	Carroll			WIND DIF		N	NE	E	SE	S	SW	W NW
TIDE: LOW	0725				AIR TEM	·	67	1					
HIGH	1315												
DISTURBANCE LEVEL	none												
DISTURBANCE SOURCE	none												
START TIME	0920												
END TIME	0957	CLIDE			INITEDTID	Λ.Ι.	1	DEAGLI					
SPECIES	Feeding	SURF Resting	Migrating	Feeding	INTERTIDA Resting	Migrating	Feeding	BEACH Resting	Migrating		Droop	ling/No	.00
Common Loon	reeding	Resung	iviigrating	reeding	Resung	ivilgrating	reeding	Resung	wiigraung		breed	iing/ivo	es
Brown Pelican													
Double-crested Cormorant													
Great Blue Heron													
Great Egret													
Snowy Egret													
Little Blue Heron													
Tricolored Heron									1				
									I				
White Ibis	-			1									
Glossy Ibis Black-bellied Plover	 	 		4			 						
Wilson's Plover	 	 		4			4	1					
Semipalmated Plover			1				4	I					
Piping Plover			1										
Killdeer													
American Oystercatcher	 	 		 			 		2				
Greater Yellowlegs													
Solitary Sandpiper													
Willet				1									
Spotted Sandpiper				-									
Whimbrel				1									
Marbled Godwit				-									
Ruddy Turnstone				3									
Red Knot				3									
Sanderling				1									
Semipalmated Sandpiper													
Western Sandpiper													
Least Sandpiper													
Pectoral Sandpiper													
Dunlin				17									
Short-billed Dowitcher													
Long-billed Dowitcher													
Laughing Gull													
Bonaparte's Gull													
Ring-billed Gull	1												
Herring Gull			1										
Lesser Black-backed Gull													
Great Black-backed Gull													
Gull-billed Tern													
Caspian Tern													
Royal Tern													
Sandwich Tern						1							
Common Tern													
Forster's Tern													
Least Tern									4				
Black Tern													
Black Skimmer													
OTHER SPECIES													
Boat-tailed Grackle													
Red-winged Blackbird									3				
Mallard									1				
Red-breasted Merganser					2								
	1												
	1	1											
	1												

TRANSECT 1=Bogue 2=Inlet 3=Dudley 4=Bear WIND SPEED 0-10 10-15 15-20 >20	<u></u>	T				Terror						1.		
OBSERVER Marriker, Carol WIND DIRECTION N NE E SE S SW W TIDE: LOW 0725 AIR TEMP. 73	DATE			T -				Clear			Fog	Lt. Raii	n	
HIGH				3=Dudley	4=Bear									Т
HIGH			Carroll						NE	E	SE	S	SW	W NW
DISTURBANCE LEVEL none DISTURBANCE SURCE TOME TOWN TO						AIR TEM	Ρ.	73						
DISTURBANCE SOURCE 1045														
START TIME														
SINCE SURF														
SECIES Feeding Resting Migrating Feeding Feeding Resting Migrating Feeding Resting Migrating Feeding Resting Migrating Feeding Feeding Resting Migrating Feeding Fee														
SPECIES Common Loon Brown Pelican Double-crested Cormonant Great Blue Heron Tricolored Heron White Dis Glossy bib Some Plover Kildeer American Ostericather Compiler Wilson's Sondey Sandpiper Wilson's Sondey Sandpiper White Dis Sonder Sandpiper Water Sandpiper Water Sonder Sandpiper Water Sandp	END TIME	1125			1			1						
Common Loon				T										
Brown Pelican		Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating		Breed	ing/Not	es
Double-rasted Cormorant Great Egret Great Blue Hertorn Great Blue Blue Blue Blue Blue Blue Blue Blue														
Great Blue Heron Great Egret Snowy Egret Little Blue Heron Tricolored Hero										3				
Great Egret Little Blue Heron Tricolored Heron White bis Glossy Ibis Black-bellied Plover Wilson's Plover Semipalmated Plover Piping Plover Killdear American Oystercatcher Greater Yellowlegs Solitary Sandpiper Willet Spotted Sandpiper Willet Marbied Godwit Reddy Turnstone Red Knot Sanderling Semipalmated Sandpiper Western Sandpiper Western Sandpiper Least Sandpiper Least Sandpiper Dunlin 2 Semipalmated Sandpiper Least Sandpiper Dunlin 2 Least Sandpiper Least Tern Black Tern Bl														
Snowy Egret														
Little Blue Heron														
Tricolored Heron White Ibis Glossy Ibis Black-betlied Plover Wilson's Plover Wilson's Plover Semipalmated Plover Piping Plover Kildeer Remeircan Oystercatcher Greater Yellowlegs 1														
White bits														
Black-bellied Plover Semipalmated Plover														
Black-bellied Plover 3		1												
Wilson's Plover Semipalmated Plover Piping Plover Kildeer American Oystercatcher 1 Greater Yellowlegs 1 Solitary Sandpiper Willet Spotted Sandpiper Whimbrel Marbled Godwit Ruddy Turnstone Red Knot Sandering 5 Semipalmated Sandpiper Western Sandpiper Least Sandpiper Pectoral Sandpiper Pectoral Sandpiper Pectoral Sandpiper Pectoral Sandpiper Individual Sandpiper Pectoral Sandpiper Pectoral Sandpiper Individual Sandpiper Individual Sandpiper Individual Sandpiper Individual Sandpiper Individual Sandpiper Individual Sandpiper <td></td> <td>1</td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		1			_									
Semipalmated Plover Piping Plover Kilideer					3	1								
Piping Plover						1								
Killdeer						1								
American Oystercatcher 1 Greater Yellowlegs 1 Solitary Sandpiper Willet Spotted Sandpiper Whimbrel Marbled Godwit Ruddy Turnstone Red Knot Sanderling 5 Semipalmated Sandpiper Western Sandpiper Least Sandpiper Pectoral Sandpiper Least Back Back Gull														
Greater Yellowlegs 1														
Solitary Sandpiper	American Oystercatcher													
Willet Spotted Sandpiper Whimbrel Whimbrel Marbied Godwit Red Knot Red Knot Sanderling Semipalmated Sandpiper Semipalmated Sandpiper Western Sandpiper Least Sandpiper Least Sandpiper Pectoral Sandpiper Pectoral Sandpiper Pectoral Sandpiper Dunlin 2 Short-billed Dowitcher South Sand Sand Sand Sand Sand Sand Sand Sand	Greater Yellowlegs				1									
Spotted Sandpiper Whimbrel														
Whimbrel Marbled Godwit Mardy Turnstone Red Knot Sanderling 5 Semipalmated Sandpiper Western Sandpiper Western Sandpiper Least Sandpiper Pectoral Sandpiper Pectoral Sandpiper Dunlin 2 Short-billed Dowitcher Image: Comparate Social Soci	Willet													
Marbled Godwit Ruddy Turnstone Red Knot Sanderling Semipalmated Sandpiper Semipalmated Sandpiper Western Sandpiper Pectoral Sandpiper Pectoral Sandpiper Pectoral Sandpiper Dunlin 2 Short-billed Dowitcher Image: Compart of Sand of Sa	Spotted Sandpiper													
Ruddy Turnstone Red Knot Sanderling 5 Semipalmated Sandpiper Western Sandpiper Least Sandpiper Pectoral Sandpiper Pectoral Sandpiper Pectoral Sandpiper Dunlin 2 Short-billed Dowitcher Standbilled Dowitcher Laughing Gull Bonaparte's Gull Bonaparte's Gull 3 Herring Gull 3 Lesser Black-backed Gull 4 Great Black-backed Gull 9 Gull-billed Tern 9 Caspian Tern 9 Royal Tern 41 Sandwich Tern 41 Common Tern 1 Forster's Tern 1 Black Skrimmer 9 OTHER SPECIES Boat-tailed Grackle Mallard Red-breasted Merganser														
Red Knot Sanderling Semipalmated Sandpiper Semipalmated Sandpiper Western Sandpiper Pectoral Sandpiper Least Sandpiper Pectoral Sandpiper Dunlin 2 Short-billed Dowitcher Long-billed Dowitcher Long-billed Dowitcher Image: Compart of the person of														
Samderling														
Semipalmated Sandpiper Western Sandpiper														
Western Sandpiper					5									
Least Sandpiper 9 Pectoral Sandpiper 2 Dunlin 2 Short-billed Dowitcher 9 Laughing Gull 9 Bonaparte's Gull 3 1 Ring-billed Gull 1 6 Herring Gull 1 6 Lesser Black-backed Gull 9 1 Great Black-backed Gull 1 1 Gull-billed Tern 1 1 Caspian Tern 9 9 Sandwich Tern 9 9 Sandwich Tern 41 4 Common Tern 7 7 Forster's Tern 1 1 Least Tern 1 1 Black Rimmer 1 1 OTHER SPECIES 1 1 Boat-tailed Grackle 1 1 Mallard 1 1 1 Red-breasted Merganser 1 1 1														
Pectoral Sandpiper														
Dunlin Short-billed Dowitcher Short-billed Sull Short-billed Gull														
Short-billed Dowitcher														
Long-billed Dowitcher Laughing Gull Bonaparte's Gull Bonaparte's Gull					2									
Laughing Gull 8000 parte's Gull Ring-billed Gull 3 1 Herring Gull 1 6 Lesser Black-backed Gull 8 8 Great Black-backed Gull 9 8 Gull-billed Tern 1 1 Caspian Tern 9 9 Sandwich Tern 41 4 Common Tern 6 1 Forster's Tern 1 1 Least Tern 1 1 Black Tern 1 1 Black Skimmer 0 0 OTHER SPECIES 0 0 Boat-tailed Grackle Mallard 1 Red-breasted Merganser 1 1														
Bonaparte's Gull Ring-billed Gull 3														
Ring-billed Gull														
Herring Gull														
Lesser Black-backed Gull 1 Great Black-backed Gull 1 Gull-billed Tern 1 Caspian Tern 9 Royal Tern 9 Sandwich Tern 41 4 Common Tern 1 Forster's Tern 1 1 Least Tern Black Tern Black Skimmer Black Skimmer OTHER SPECIES Boat-tailed Grackle Boat-tailed Grackle Mallard Red-breasted Merganser Red-breasted Merganser	King-billed Gull	1				_			3	1				
Great Black-backed Gull 1 Gull-billed Tern 1 Caspian Tern 9 Royal Tern 9 Sandwich Tern 41 4 Common Tern 1 1 Forster's Tern 1 1 Least Tern Black Tern Black Skimmer OTHER SPECIES Boat-tailed Grackle Boat-tailed Grackle Mallard Red-breasted Merganser		1		1		6								
Gull-billed Tern 1 Caspian Tern 9 Royal Tern 9 Sandwich Tern 41 4 Common Tern 1 Forster's Tern 1 1 Least Tern 9 1 Black Tern 1 1 Black Skimmer 0 1 OTHER SPECIES 0 0 Boat-tailed Grackle 0 0 Mallard 0 0 Red-breasted Merganser 0 0									1					
Caspian Tern 9 Royal Tern 9 Sandwich Tern 41 4 Common Tern 1 1 Forster's Tern 1 1 Least Tern 8lack Tern 8lack Skimmer OTHER SPECIES 9 8 Boat-tailed Grackle 9 8 Mallard 8 8 Red-breasted Merganser 8 8		1												
Royal Tern 9 Sandwich Tern 41 4 Common Tern 1 1 Forster's Tern 1 1 Least Tern 8 8 Black Tern 8 8 Black Skimmer 9 8 OTHER SPECIES 9 8 Boat-tailed Grackle 9 8 Mallard 9 41 4 Red-breasted Merganser 9 8 9									1					
Sandwich Tern 41 4 Common Tern 1 1 Forster's Tern 1 1 Least Tern 8 1 Black Tern 1 1 Black Skimmer 1 1 OTHER SPECIES 1 1 Boat-tailed Grackle 1 1 Mallard 1 1 Red-breasted Merganser 1 1						1			_		1			
Common Tern 1 Forster's Tern 1 Least Tern 9 Black Tern 9 Black Skimmer 9 OTHER SPECIES 9 Boat-tailed Grackle 9 Mallard 9 Red-breasted Merganser 9						1				4				
Forster's Tern Least Tern Black Tern Black Skimmer OTHER SPECIES Boat-tailed Grackle Mallard Red-breasted Merganser									41	4				
Least Tern Black Tern Black Skimmer Black Skimmer OTHER SPECIES Boat-tailed Grackle Mallard Red-breasted Merganser														
Black Tern Black Skimmer OTHER SPECIES Boat-tailed Grackle Mallard Red-breasted Merganser									1					
Black Skimmer OTHER SPECIES Boat-tailed Grackle Mallard Red-breasted Merganser						1					1			
OTHER SPECIES Boat-tailed Grackle Mallard Red-breasted Merganser						1					1			
Boat-tailed Grackle Mallard Red-breasted Merganser						1					1			
Mallard Red-breasted Merganser			1			1					1			
Red-breasted Merganser									1					
Red-throated Loon						1					-			
Rea-throated Loon	Red-breasted Merganser					1					-			
	Rea-throated Loon										1			
											1			
											1			

TRANSECT 1 OBSERVER	5/1/03 1=Bogue	2=Inlet	3=Dudley	4=Bear	WEATHE WIND SP		Clear 0-10	P. Cloudy 10-15	Cloudy 15-20	Fog >20	Lt. Rai	11	
OBSERVER N	1-bogue	2-111161	3-Dudley	4-Deal	WIND OF								
		` - · · ·	,						E			CVA	NA/ NINA/
	Massey, C	oward			WIND DIF		N	NE	E	SE	S	SW	W NW
	1416 0822				AIR TEMP	· .	79 F						
	none												
	none 4:35 PM												
END TIME	5:25 PM	OLIDE	1	_	INITEDTID	A 1		DEAGU					
ODEOJEO J	F	SURF	Minnetina		INTERTID		Faadina	BEACH	Mination		D	:/NI-4-	_
	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating		Breed	ing/Note	S
Common Loon													
Brown Pelican													
Double-crested Cormorant													
Great Blue Heron													
Great Egret													
Snowy Egret													
Little Blue Heron													
Tricolored Heron													
White Ibis													
Glossy Ibis													
Black-bellied Plover													
Wilson's Plover								1			nes	t-3 eggs	
Semipalmated Plover													
Piping Plover													
Killdeer													
American Oystercatcher													
Greater Yellowlegs													
Solitary Sandpiper													
Willet				1									
Spotted Sandpiper													
Whimbrel													
Marbled Godwit													
Ruddy Turnstone													
Red Knot													
Sanderling	5			3									
Semipalmated Sandpiper													
Western Sandpiper													
Least Sandpiper													
Pectoral Sandpiper													
Dunlin													
Short-billed Dowitcher													
Long-billed Dowitcher													
Laughing Gull													
Bonaparte's Gull													
Ring-billed Gull	1												
Herring Gull			1										
Lesser Black-backed Gull													
Great Black-backed Gull													
Gull-billed Tern													
Caspian Tern													
Royal Tern													
Sandwich Tern			4						4				
Common Tern						4			6				
Forster's Tern						2							
Least Tern			1		5	8			30	(4	4 nests	-2,2,1,1e	egg)
Black Tern										,		•	
Black Skimmer													
OTHER SPECIES													
Boat-tailed Grackle													
Mourning Dove									1				
					1	1		1					

DATE	E 14 16 5				DAGE 6 : -	D/0101	0:	·	01		I ·	1	
DATE	5/1/03	0-1-1-1	0-0-4-	4-D	WEATHE		Clear	P. Cloudy			Lt. Rai	n	
TRANSECT OBSERVER	1=Bogue		3=Dudley	4=Bear	WIND SP		0-10	10-15	15-20	>20		CVA	1A/ NIL
	Massey, C	oward			WIND DIF		N 04 F	NE	E	SE	S	SW	W NV
TIDE: LOW HIGH	1416 0822				AIR TEMP	j.	81 F						
DISTURBANCE LEVEL	none												
DISTURBANCE SOURCE	none												
START TIME	2:50 PM												
END TIME	3:59 PM												
LIND THVIL	J.J9 1 WI	SURF			INTERTID	ΔΙ		BEACH					
SPECIES	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding		Migrating		Breed	ling/No	20
Common Loon	recarrig	resung	wiigraurig	rocuing	rtcoung	Migrating	recaing	resung	wiigraurig		Dicco	1119/110	.00
Brown Pelican													
Double-crested Cormorant	1												
Great Blue Heron													
Great Egret			1										
Snowy Egret													
Little Blue Heron													
Tricolored Heron													
White Ibis						1							
Glossy Ibis													
Black-bellied Plover				4		2							
Wilson's Plover				4		2				3 or	territory.	2 nests=	3, 3 eggs
Semipalmated Plover				5									
Piping Plover													
Killdeer										1			
American Oystercatcher													
Greater Yellowlegs													
Solitary Sandpiper													
Willet			1			1							
Spotted Sandpiper													
Whimbrel				1					1				
Marbled Godwit													
Ruddy Turnstone				4									
Red Knot													
Sanderling				1									
Semipalmated Sandpiper													
Western Sandpiper													
Least Sandpiper				3									
Pectoral Sandpiper													
Dunlin													
Short-billed Dowitcher													
Long-billed Dowitcher													
Laughing Gull													
Bonaparte's Gull													
Ring-billed Gull													
Herring Gull													
Lesser Black-backed Gull													
Great Black-backed Gull													
Gull-billed Tern													
Caspian Tern													
Royal Tern													
Sandwich Tern													
Common Tern													
Forster's Tern													
Least Tern			4	1	1	4				:	2 nests 1	each with	1 egg
Black Tern													
Black Skimmer	1			1		4							
OTHER SPECIES	1			1									
Boat-tailed Grackle			4						4				
Mallard			1						1				
Red-breasted Merganser													
Red-throated Loon			4										
Red-winged Blackbird Barn Swallow			2										
Canada Goose						1							
Canada GUUSE						I							
	1	1	1	1	1		1	1	1	l .			

DATE	E /4 /00				\A/E A TI IE	D/OI/V	Class	D. Olavido	Ola d	F	I A Dai	_	
DATE	5/1/03	0 1-1-1	0. D. II.	4	WEATHE		Clear	P. Cloudy			Lt. Raiı	וו	
TRANSECT	1=Bogue	2=Inlet	3=Dudley	4=Bear	WIND SF		0-10	10-15	15-20	>20		0147	144 1144
OBSERVER	Massey,C	oward				RECTION	N	NE	Е	SE	S	SW	W NW
TIDE: LOW	1416				AIR TEM	<u>P.</u>	81						
HIGH	0822												
DISTURBANCE LEVEL	Low												
DISTURBANCE SOURCE	5 persons												
START TIME	11:19 AM												
END TIME	1:27 PM						1-1			1			
		SURF	T		INTERTID		<u> </u>	BEACH	Ta				
SPECIES	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating		Breed	ing/Note	:S
Common Loon							<u> </u>						
Brown Pelican													
Double-crested Cormorant					3								
Great Blue Heron													
Great Egret				1									
Snowy Egret													
Little Blue Heron													
Tricolored Heron													
White Ibis			1	1									
Glossy Ibis													
Black-bellied Plover	2			9	1	1							
Wilson's Plover				3	1			1		Sus	pect ne	esting of	1 pair
Semipalmated Plover									2				
Piping Plover													
Killdeer													
American Oystercatcher				1							terr	itorial?	
Greater Yellowlegs	2												
Solitary Sandpiper													
Willet	3		1	3	1	2							
Spotted Sandpiper													
Whimbrel	1			2	1								
Marbled Godwit													
Ruddy Turnstone													
Red Knot													
Sanderling	2			4		1							
Semipalmated Sandpiper				2		1							
Western Sandpiper				2									
Least Sandpiper				34		2							
Pectoral Sandpiper													
Dunlin				15		3							
Short-billed Dowitcher	1			8									
Long-billed Dowitcher						1							
Laughing Gull			4										
Bonaparte's Gull		1		3									
Ring-billed Gull		1	1	3	2								
Herring Gull					1						-		
Lesser Black-backed Gull											-		
Great Black-backed Gull													
Gull-billed Tern				3	1								
Caspian Tern													
Royal Tern					16						-		
Sandwich Tern					14					H			
Common Tern					49	2							
Forster's Tern				1	8								
Least Tern	2				4	4	Ħ						
Black Tern	 				 	<u> </u>							
Black Skimmer													
OTHER SPECIES													
Boat-tailed Grackle				1									
Mallard					1					H			
Red-breasted Merganser	8			13	 		 			H			
Red-throated Loon	<u> </u>			.5	1					H			
Barn Swallow			2	3	4	6			8	H			
Red-winged Blackbird			1		-	1				H			
god Didditond			<u> </u>										
					1					H			
ļ	1	1	1	1.1	1	1	1-1	1	1	1-1			

TRANSECT	5/1/03 1=Boque	2-Inlot	0 D "		WEATHE		Clear	P. Cloudy		Fog	Lt. Rai	[1]	
	1=Roque						0.40	40 45	4 = 00				
			3=Dudley	4=Bear	WIND SP		0-10	10-15	15-20	>20			
	Massey, C	Coward				RECTION	N	NE	Е	SE	S	SW	W NW
	1416				AIR TEM	⁻.	81 F						
	0822												
	none												
	none												
	1:43 PM												
END TIME 2	2:44 PM												
		SURF			INTERTID	AL		BEACH					
SPECIES F	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating		Breed	ling/Note	s
Common Loon	1												
Brown Pelican													
Double-crested Cormorant			1		4								
Great Blue Heron													
Great Egret													
Snowy Egret													
Little Blue Heron													
Tricolored Heron													
White Ibis													
Glossy Ibis				_									
Black-bellied Plover				9	2								
Wilson's Plover													
Semipalmated Plover				5	1								
Piping Plover													
Killdeer													
American Oystercatcher													
Greater Yellowlegs													
Solitary Sandpiper													
Willet													
Spotted Sandpiper													
Whimbrel													
Marbled Godwit													
Ruddy Turnstone													
Red Knot													
Sanderling				10	2								
Semipalmated Sandpiper				10									
Western Conditions													
Western Sandpiper													
Least Sandpiper													
Pectoral Sandpiper													
Dunlin													
Short-billed Dowitcher				20		5							
Long-billed Dowitcher				1									
Laughing Gull	1	2	4	4									
Bonaparte's Gull			1		3	2							
Ring-billed Gull													
Herring Gull			1										
Lesser Black-backed Gull													
Great Black-backed Gull													
Gull-billed Tern					2								
Caspian Tern					_								
Royal Tern			4	2	44	4							
Sandwich Tern					18	3							
Common Tern			2	1	48	5							
Forster's Tern			3	1	13	6							
			J			Ö							
Least Tern				1	4					1			
Black Tern				1									
Black Skimmer				1									
OTHER SPECIES				1									
Boat-tailed Grackle													
Mallard													
Red-breasted Merganser													
Red-throated Loon											-	-	-
Barn Swallow			1										

DATE	5/16/03				WEATHE	R/SKY	Clear	P. Cloudy	Cloudy	Fog	Lt. Rai	n	
TRANSECT	1=Bogue	2=Inlet	3=Dudley	4=Rear	WIND SP		0-10	10-15	15-20	>20	Lt. IXai		
OBSERVER	Cooper	2-111161	3-Dudley	4-Deal	WIND DIF		N	NE	E	SE	S	SW	W NV
TIDE: LOW	1411				AIR TEMP		84	INC		3L	3	SVV	VV IVV
HIGH	0814				AIR I LIVIE		04						
DISTURBANCE LEVEL	low												
DISTURBANCE SOURCE	2 people v	volking											
START TIME	1516	waikiiiy											
END TIME													
END TIME	1605	CLIDE			INTERTIO	VI.		DEAGLI					
CDECIEC	Faadiaa	SURF	NA:ti		INTERTIDA		Faadiaa	BEACH	Minnetine		D	l:/N	
SPECIES	Feeding	Resting	Migrating	reeding	Resting	Migrating	Feeding	Resting	Migrating	1	Breed	ling/Note	25
Common Loon			4										
Brown Pelican			1										
Double-crested Cormorant			3										
Great Blue Heron													
Great Egret													
Snowy Egret													
Little Blue Heron													
Tricolored Heron													
White Ibis													
Glossy Ibis													
Black-bellied Plover						1							
Wilson's Plover								1		sus	pect nest	<mark>ing in post</mark>	ed area
Semipalmated Plover													
Piping Plover		1								-			
Killdeer													
American Oystercatcher													
Greater Yellowlegs													
Solitary Sandpiper													
Willet				2									
Spotted Sandpiper						1							
Whimbrel													
Marbled Godwit													
Ruddy Turnstone				1									
Red Knot													
Sanderling				1									
Semipalmated Sandpiper													
Western Sandpiper													
Least Sandpiper				1									
Pectoral Sandpiper													
Dunlin													
Short-billed Dowitcher													
Long-billed Dowitcher													
Laughing Gull													
Bonaparte's Gull													
Ring-billed Gull				3	3								
Herring Gull													
Lesser Black-backed Gull													
Great Black-backed Gull													
Gull-billed Tern													
Caspian Tern													
Royal Tern						4							
Sandwich Tern													
Common Tern						2		9			susp	ect nesting	
Forster's Tern						1							
Least Tern								5		nest	ting 3 incl	uding 1 wi	th 1 egg
Black Tern													
Black Skimmer						52		38					
OTHER SPECIES										appear t	to be nes	ting, sitting	on scrape
Boat-tailed Grackle													
Barn Swallow						1							
Red-breasted Merganser													
Red-throated Loon													
1	1	1	1	1.1	1	1	1	1	1	1			

DATE	5/16/03				WEATHE	R/SKY	Clear	P. Cloudy	Cloudy	Fog	Lt. Rair	1	
TRANSECT	1=Bogue	2=Inlet	3=Dudley	4=Bear	WIND SP		0-10	10-15	15-20	>20	Lt. INdii	4	
OBSERVER	Cooper	<u> - </u>	o Dudiey	- Deal	WIND DIF		N	NE	E	SE	S	SW	W NW
TIDE: LOW	1411				AIR TEM		81	INL		OL		OVV	44 1461
HIGH	0814				AIIX I LIVII	·	101						
DISTURBANCE LEVEL	none				1			1					
DISTURBANCE SOURCE		dao morritt	COE dredg	ing in inlot	\								
START TIME	1625	age memu	COL diedg	ing in iniet)								
END TIME	1730												
END TIME	1730	SURF			INTERTID	٨١	_	BEACH					
SPECIES	Feeding	Resting	Migrating		Resting	Migrating	Feeding	Resting	Migrating		Drood	ina/Nlat	
	reeding	Resuing	wiigraurig	reeding	Resuing	wiigraurig	reeding	Resulty	wigrating		bieeu	ing/Not	25
Common Loon							-						
Brown Pelican	4								0				
Double-crested Cormorant	1								2				
Great Blue Heron													
Great Egret						2			_				
Snowy Egret									1				
Little Blue Heron													
Tricolored Heron													
White Ibis										1			
Glossy Ibis										1			
Black-bellied Plover													
Wilson's Plover					8		1			suspe	ect up to 5	pairs on	territory. 3
Semipalmated Plover										nests v	v/eggs fou	ind (3egg	ıs, 2 eggs, 3
Piping Plover											6	eggs)	
Killdeer													
American Oystercatcher													
Greater Yellowlegs									1				
Solitary Sandpiper													
Willet				2					1				
Spotted Sandpiper				2									
Whimbrel				1									
Marbled Godwit													
Ruddy Turnstone				2									
Red Knot													
Sanderling													
Semipalmated Sandpiper				25									
Western Sandpiper													
Least Sandpiper						6							
Pectoral Sandpiper													
Dunlin													
Short-billed Dowitcher													
Long-billed Dowitcher													
Laughing Gull						2			2				
Bonaparte's Gull						_			_				
Ring-billed Gull						1				1			
Herring Gull					2	1							
Lesser Black-backed Gull						-	+			 			
Great Black-backed Gull							+			 			
Gull-billed Tern							1			1			
Caspian Tern										1			
Royal Tern			1							1			
Sandwich Tern			'				+			 			
Common Tern							1			1			
Forster's Tern										1			
Least Tern	1			1		4	1	1		1			
Black Tern						-	1			 			
Black Skimmer					1		1			+			
OTHER SPECIES				-			-			1			
Boat-tailed Grackle									4				
							-		1	-			
Red-winged Blackbird					-	4	1		1	1			
Barn Swallow					_	1				1			
Red-breasted Merganser					2		1			-			
Canada Goose					10		1			-			
							1			1			
										1			

DATE	5/16/03				WEATHE	D/SKV	Clear	P. Cloudy	Cloudy	Fog	Lt. Raii	2	
TRANSECT	1=Bogue	2=Inlet	3=Dudley	4=Bear	WEATHE WIND SP		0-10	10-15	15-20	>20	Li. Kall	Ц	
OBSERVER	Cooper	2-111161	3-Dualey	4-Deal	WIND DIF		0-10 N	NE	15-20 E	SE	S	SW	W NV
TIDE: LOW	1411				AIR TEM		78	INC		JE	3	344	VV INV
HIGH	0814				AIK I EIVII		10						
DISTURBANCE LEVEL	low				1			1					
DISTURBANCE LEVEL DISTURBANCE SOURCE		un hather	s, lots of boa	ate fiching	in inlet clos	e to shore							
START TIME	1155	our patricts	o, 1015 UI DU	ato noning	iii iiiiet ClOS	0 0 01016							
END TIME	1320												
END HIVE	1320	SURF	1		INTERTID	۸۱		BEACH					
ODECIEC.	Faadiaa		Minuntina				E a a disa a		Mination		D	: /N I 4	
SPECIES	Feeding	Resting	Migrating	reeding	Resting	Migrating	Feeding	Resting	Migrating		Breed	ing/Not	es
Common Loon													
Brown Pelican													
Double-crested Cormorant													
Great Blue Heron													
Great Egret				1					1				
Snowy Egret				1									
Little Blue Heron						1							
Tricolored Heron					1								
White Ibis													
Glossy Ibis													
Black-bellied Plover				4	1								
Wilson's Plover					2						suspe	ect nestin	g
Semipalmated Plover			1	38									
Piping Plover													-
Killdeer													
American Oystercatcher													
Greater Yellowlegs													
Solitary Sandpiper													
Willet				4		1		3			suspect ne	estina in i	marsh
Spotted Sandpiper				1							ouopoot n	Journa III	naron
Whimbrel				2									
Marbled Godwit				_									
Ruddy Turnstone				6	1								
Red Knot				- 0	'								
Sanderling				10									
Semipalmated Sandpiper				15									
Western Sandpiper				10									
										-			
Least Sandpiper													
Pectoral Sandpiper				40									
Dunlin				46									
Short-billed Dowitcher													
Long-billed Dowitcher													
Laughing Gull						6			4				
Bonaparte's Gull													
Ring-billed Gull													
Herring Gull						1							
Lesser Black-backed Gull													
Great Black-backed Gull					1								
Gull-billed Tern													
Caspian Tern													
Royal Tern						4			2				
Sandwich Tern						1							
Common Tern													
Forster's Tern													
Least Tern				2	1	2			1				
Black Tern													
Black Skimmer													-
OTHER SPECIES				İ									
Boat-tailed Grackle						4							
House Sparrow						6							
Red-breasted Merganser				1	2								
Fish Crow									2				
House Finch									2	H			
Red-winged Blackbird									1				
1.00 Williged DidoRbild				1					-				
<u> </u>	1	1	1	1	1	1	1	1	1	L			

DATE	E/40/00				1 A / E A T : -	'D/01/01	0:	D 0' '	Ol- '	_		_	
DATE	5/16/03	O-lalat	2-0	4-D	WEATHE		Clear	P. Cloudy		Fog	Lt. Raii	n	
TRANSECT	1=Bogue	2=Inlet	3=Dudley	4=Bear	WIND SP		0-10	10-15	15-20	>20		OM	1A/ L.
OBSERVER TIDE: LOW	Cooper				WIND DII		N	NE	Е	SE	S	SW	W NV
TIDE: LOW HIGH	1411 0814				AIR TEM	r.	81						
DISTURBANCE LEVEL	0814 low				1	1		1					
DISTURBANCE SOURCE	-	choal - 3 c	hell hunters										
START TIME	1335	3110ai - 3 S	nen nunters										
END TIME	1500												
LIND THE	1300	SURF			INTERTID	ΔΙ		BEACH		П			
SPECIES	Feeding	Resting	Migrating		Resting	Migrating	Feeding		Migrating	H	Breed	ing/No	20
Common Loon	i ccuirig	resuing	iviigratiiig	recurry	resung	wiigrating	recuirig	resuing	wiigrating		Diccu	iiig/140	.03
Brown Pelican			4		5	6							
Double-crested Cormorant	1		7		3	5							
Great Blue Heron													
Great Egret						3							
Snowy Egret						3							
Little Blue Heron													
Tricolored Heron													
White Ibis													
Glossy Ibis										H			
Black-bellied Plover				14	2	13				H			
Wilson's Plover				1-7		1				H			
Semipalmated Plover				2		-				H			
Piping Plover				1						H	no han	ıds - femi	ale
Killdeer				<u> </u>						H	iio ball	.uu - 10111	
American Oystercatcher					12					H			
Greater Yellowlegs					12								
Solitary Sandpiper													
Willet					3								
Spotted Sandpiper					- 0								
Whimbrel													
Marbled Godwit													
Ruddy Turnstone				12									
Red Knot				1									
Sanderling				24	4								
Semipalmated Sandpiper				146									
Western Sandpiper													
Least Sandpiper				22									
Pectoral Sandpiper													
Dunlin				4									
Short-billed Dowitcher					3								
Long-billed Dowitcher													
Laughing Gull	8				18	9							
Bonaparte's Gull													
Ring-billed Gull					2								
Herring Gull					1	1							
Lesser Black-backed Gull													
Great Black-backed Gull													
Gull-billed Tern													
Caspian Tern													
Royal Tern					12	9							
Sandwich Tern					15	2					·		
Common Tern	2				16	2					·		
Forster's Tern													
Least Tern					3	8							
Black Tern													
Black Skimmer													
OTHER SPECIES													
Boat-tailed Grackle													
Red-breasted Merganser						3							
Barn Swallow						4							
										Ш			

DATE	5/30/03				WEATHE	R/SKY	Clear	P. Cloudy	Cloudy	Foa	Lt. Rain		
TRANSECT	1=Bogue		3=Dudley	4=Bear	WIND SP	EED	0-10	10-15	15-20	>20		•	
OBSERVER	Massey, C				WIND DIF	RECTION	N	NE	Е	SE	S	SW	W NV
TIDE: LOW	1:40 PM				AIR TEMP	P.	81 F		•				•
HIGH	7:52 AM												
DISTURBANCE LEVEL	medium	_											
DISTURBANCE SOURCE START TIME	3 boats, 1 4:15 PM	3 persons	8 walking)										
END TIME	5:00 PM												
END TIME	3.00 F W	SURF			INTERTID	ΔΙ		BEACH					
SPECIES	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Н	Breedi	ng/Note	es.
Common Loon			g. s.tg						ing. stang				
Brown Pelican			7										
Double-crested Cormorant			1										
Great Blue Heron													
Great Egret													
Snowy Egret													
Little Blue Heron													
Tricolored Heron White Ibis													
Glossy Ibis													
Black-bellied Plover													
Wilson's Plover					1								
Semipalmated Plover													
Piping Plover													
Killdeer													
American Oystercatcher						1							
Greater Yellowlegs													
Solitary Sandpiper													
Willet	1												
Spotted Sandpiper Whimbrel				1									
Marbled Godwit													
Ruddy Turnstone													
Red Knot													
Sanderling				6	2								
Semipalmated Sandpiper													
Western Sandpiper													
Least Sandpiper													
Pectoral Sandpiper													
Dunlin													
Short-billed Dowitcher													
Long-billed Dowitcher Laughing Gull					3								
Bonaparte's Gull					3								
Ring-billed Gull					1								
Herring Gull													
Lesser Black-backed Gull													
Great Black-backed Gull													
Gull-billed Tern													
Caspian Tern													
Royal Tern			1	2	30	2							
Sandwich Tern					1								
Common Tern		1			2			3	1		2 or	nests	
Forster's Tern Least Tern			4	2			A	4.4	24		Niume -	0110 222	to
Black Tern		1	1	2			4	14	24		Numer	ous nes	เร
Black Skimmer						1			4				
OTHER SPECIES									7				
Boat-tailed Grackle								1					
Mallard								<u> </u>					
Red-breasted Merganser													
Red-throated Loon											-	-	
Eastern Kingbird								1					
Rough-winged Swallow						1							
		-											
		1		Ш	1								

DATE	5/30/03				WEATHE	D/SKV	Clear	P. Cloudy	Cloudy	Fog Lt. Ra	in	
TRANSECT	1=Bogue	2=Inlet	3=Dudley	4=Rear	WIND SP		0-10	10-15	15-20	>20		
OBSERVER	Massey,C		_ O-Dudicy	T-DCai		RECTION	N	NE	E	SE S	SW W	/ NW
TIDE: LOW	1:40 PM	owaru			AIR TEM		81 F	INL	L	OL O	SVV VV	1444
HIGH	7:52 AM				AIIX I LIVII	T .	011					
DISTURBANCE LEVEL	None											
DISTURBANCE SOURCE	None											-
START TIME	3:00 PM											-
END TIME	3:55 PM											-
END TIME	3.33 FIVI	SURF			INTERTID	٨١		BEACH		П		
SPECIES	Feeding		Migrating	Feeding		Migrating	Feeding		Migrating	Proc	ding/Notes	
	reeding	Resting	ivilgrating	reeding	Resuing	wigrating	reeding	Resurig	iviigratirig	Diee	ding/Notes	
Common Loon Brown Pelican												
Double-crested Cormorant												
Great Blue Heron												
			1			4						-
Great Egret			1			1						-
Snowy Egret												
Little Blue Heron												
Tricolored Heron												
White Ibis												
Glossy Ibis												
Black-bellied Plover												
Wilson's Plover				3	3	2				over wash	-no nests/yo	ung
Semipalmated Plover												
Piping Plover												
Killdeer												
American Oystercatcher				1	2					sus	pect nest	
Greater Yellowlegs												
Solitary Sandpiper												
Willet			1	1	2	5				susp	ect 2 nests	
Spotted Sandpiper												
Whimbrel												
Marbled Godwit												
Ruddy Turnstone				2								
Red Knot				1								
Sanderling				1		1						
Semipalmated Sandpiper												
Western Sandpiper												
Least Sandpiper												
Pectoral Sandpiper												
Dunlin												
Short-billed Dowitcher												
Long-billed Dowitcher												
Laughing Gull												
Bonaparte's Gull												
Ring-billed Gull												
Herring Gull												
Lesser Black-backed Gull												
Great Black-backed Gull												
Gull-billed Tern												
Caspian Tern]
Royal Tern												
Sandwich Tern												
Common Tern												
Forster's Tern												
Least Tern	1		1		1	1						
Black Tern												
Black Skimmer												
OTHER SPECIES												
Boat-tailed Grackle				4								
Red-winged Blackbird					3	1						
Barn Swallow						1						
-			<u> </u>									

DATE	5/30/03				WEATHE	R/SKY	Clear	P. Cloudy	Cloudy	Foa	Lt. Rain
TRANSECT	1=Bogue	2=Inlet	3=Dudley	4=Bear	WIND SP		0-10	10-15	15-20	>20	
OBSERVER	Massey,C				WIND DIF	RECTION	N	NE	E	SE	S SW W NW
TIDE: LOW	1:40 PM				AIR TEMP		83 F				
HIGH	7:52 AM										
DISTURBANCE LEVEL	medium		-	-	-		-				
DISTURBANCE SOURCE		2 Jet Skis,	22 persons				-				
START TIME	12:30 PM										
END TIME	1:30 PM						_		-		
		SURF	Ta. er		INTERTIDA			BEACH	B 81		5
SPECIES	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating		Breeding/Notes
Common Loon Brown Pelican		1								1	
Double-crested Cormorant		1									
Great Blue Heron											
Great Egret				1		3					
Snowy Egret				1		3					
Little Blue Heron											
Tricolored Heron											
White Ibis											
Glossy Ibis											
Black-bellied Plover											
Wilson's Plover				1			1	2	2		suspect nest
Semipalmated Plover											
Piping Plover											
Killdeer											
American Oystercatcher											
Greater Yellowlegs											
Solitary Sandpiper											
Willet		1		6	1	3			4		suspect nest
Spotted Sandpiper											
Whimbrel Marblad Codwit										1	
Marbled Godwit Ruddy Turnstone										1	
Red Knot											
Sanderling	4	1									
Semipalmated Sandpiper	7										
Western Sandpiper											
Least Sandpiper											
Pectoral Sandpiper											
Dunlin											
Short-billed Dowitcher											
Long-billed Dowitcher											
Laughing Gull	1	1	5	2	3	10		8	3		
Bonaparte's Gull											
Ring-billed Gull				2	1	2					
Herring Gull											
Lesser Black-backed Gull			4								
Great Black-backed Gull Gull-billed Tern			1							1	
Caspian Tern										1	
Royal Tern			1								
Sandwich Tern			'								
Common Tern			1	H							
Forster's Tern											
Least Tern	1			1	3	1		2	1		1 nest
Black Tern											
Black Skimmer											
OTHER SPECIES											
Boat-tailed Grackle											
Red-winged Blackbird											
Barn Swallow						2					
Red-breasted Merganser											
House Sparrow											
Mourning Dove							2				
										1	
		1								1	

DATE	5/30/03				WEATHE	D/CKV	Clear	P. Cloudy	Cloudy	Fog Lt. Ra	nin	
TRANSECT	1=Bogue	2-Inlot	3=Dudley	4-Door	WIND SF		0-10	10-15		>20 Lt. R	all I	
	1=Bogue		3=Dudley	4=Bear					15-20		0)4/)4	/ 1114/
OBSERVER	Massey,C	oward				RECTION	N	NE	Е	SE S	SW W	/ NW
TIDE: LOW	1:40 PM				AIR TEM	Ρ.	83 F					
HIGH	7:52 PM											
DISTURBANCE LEVEL	High											
DISTURBANCE SOURCE	/ boats, 1	14 persons										
START TIME	2:05 PM											
END TIME	2:42 PM						1					
		SURF	1		INTERTIO		<u> </u>	BEACH		_		
SPECIES	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Bree	ding/Notes	
Common Loon												
Brown Pelican		3	1		10							
Double-crested Cormorant			1		12							
Great Blue Heron												
Great Egret					2							
Snowy Egret												
Little Blue Heron												
Tricolored Heron												
White Ibis												
Glossy Ibis												
Black-bellied Plover												
Wilson's Plover												
Semipalmated Plover												
Piping Plover												
Killdeer												
American Oystercatcher												
Greater Yellowlegs												
Solitary Sandpiper												
Willet												
Spotted Sandpiper												
Whimbrel												
Marbled Godwit												
Ruddy Turnstone												
Red Knot				3								
Sanderling	2			12		1						
	2			12	7	1						
Semipalmated Sandpiper					7							
Western Sandpiper												
Least Sandpiper												
Pectoral Sandpiper												
Dunlin												
Short-billed Dowitcher												
Long-billed Dowitcher				_								
Laughing Gull		1	10	3		4						
Bonaparte's Gull												
Ring-billed Gull				1		1						
Herring Gull					1							
Lesser Black-backed Gull												
Great Black-backed Gull												
Gull-billed Tern												
Caspian Tern												
Royal Tern			1		40	9						
Sandwich Tern					1							
Common Tern	1			5	13	6						
Forster's Tern												
Least Tern					1							
Black Tern												
Black Skimmer												
OTHER SPECIES												
Boat-tailed Grackle												
Mallard												
Red-breasted Merganser												
Red-throated Loon												
								1				
	1		1									
<u> </u>	1		1	11	1		<u> </u>	I	1			

	DATE	6/16/2003	\			WEATHE	R/SKY	Clear	P. Cloudy	Cloudy	Fog	Lt. Rair	1	
	TRANSECT			3=Dudley	4=Bear	WIND SP		0-10	10-15	15-20	>20	Lt. Itali	1	
	OBSERVER	Carroll, Co	oward	O Budicy	T Doui	WIND DIF		N	NE	E	SE	S	SW	W NW
	TIDE: LOW	1537	owara			AIR TEM		90	1112	_			011	** 1400
	HIGH	0944				/ (II C L VII	1	100	1					
	DISTURBANCE LEVEL	high												
	DISTURBANCE SOURCE		s 3 hoats	12 people to	ntal dog tr	acks								
	START TIME	1435	o, o boato,	12 poople t	otal, dog ti	dono								
	END TIME	1555												
	END TIME	1000	SURF			INTERTID	ΔΙ		BEACH					
SP #	SPECIES	Feeding	Resting	Migrating			Migrating	Feeding		Migrating	1	Breed	ing/Not	es
	Common Loon	rodang	rtooting	iviigiatiiig	rodding	rtooting	wiigrating	i ocanig	rtooting	wiigrating		Biood	1119/1101	50
	Brown Pelican			2										
	Double-crested Cormorant													
	Great Blue Heron													
	Great Egret				1				1					
	Snowy Egret				2									
26	Little Blue Heron				_									
	Tricolored Heron								1					
	White Ibis													
	Glossy Ibis													
	Black-bellied Plover													
	Wilson's Plover													
	Semipalmated Plover													
	Piping Plover													
	Killdeer													
	American Oystercatcher													
	Greater Yellowlegs													
	Solitary Sandpiper													
	Willet				3	2					nest	in posted	area? O	r resting?
	Spotted Sandpiper													
	Whimbrel													
112	Marbled Godwit													
113	Ruddy Turnstone		1		1									
114	Red Knot													
	Sanderling				1									
	Semipalmated Sandpiper													
	Western Sandpiper													
118	Least Sandpiper													
	Pectoral Sandpiper													
	Dunlin													
	Short-billed Dowitcher													
127	Long-billed Dowitcher													
	Laughing Gull			4	2	3	2			2				
	Bonaparte's Gull													
139	Ring-billed Gull					2								
	Herring Gull					1								
	Lesser Black-backed Gull					1								
	Great Black-backed Gull					1			1					
	Gull-billed Tern					1								
	Caspian Tern										1			
148	Royal Tern					1			1					
	Sandwich Tern					1			-					
	Common Tern					-								
	Forster's Tern				-	1			1					
	Least Tern				8	-			1	1	poss	sible nest,	territorial	behavior
	Black Tern													
158	Black Skimmer					1			1					
240	OTHER SPECIES				1	1			-					
	Boat-tailed Grackle				1	1	2		-	1				
	House Sparrow Barn Swallow					1	3			1	1			
	Red-winged Blackbird					1	1 4		-					
313	Neu-willgeu Blackbird	1				1	4							

	DATE	6/16/2003				WEATHE	DICKY	Clear	P. Cloudy	Cloudy	Fog	Lt. Rain		
	TRANSECT			3=Dudley	1-Door	WIND SP		0-10	10-15	15-20		Lt. Kali		
	OBSERVER			3=Dudley	4=Bear			0-10 N	10-15 NE		>20	S	SW	W NW
		Carroll, Co	oward			WIND DIF			I NE	Е	SE	5	SW	VV INV
		1537				AIR TEM	·	88	1					
	HIGH	0944												
	DISTURBANCE LEVEL	low												
	DISTURBANCE SOURCE	foot prints		9										
	START TIME	1535 155												
	END TIME	1545 163												
			SURF			INTERTID			BEACH					
	SPECIES	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating		Breedi	ng/No	tes
	Common Loon													
	Brown Pelican													
22	Double-crested Cormorant													
23	Great Blue Heron													
24	Great Egret													
25	Snowy Egret						1							
	Little Blue Heron							H						
	Tricolored Heron													
	White Ibis								<u> </u>		1			
	Glossy Ibis													
	Black-bellied Plover										+			
	Wilson's Plover				1			H	+		+			
	Semipalmated Plover				'				-		-			
									-					
99	Piping Plover													
	Killdeer								1					
101	American Oystercatcher				3									
	Greater Yellowlegs													
	Solitary Sandpiper													
	Willet													
	Spotted Sandpiper													
110	Whimbrel													
112	Marbled Godwit													
113	Ruddy Turnstone													
	Red Knot													
	Sanderling													
	Semipalmated Sandpiper													
117	Western Sandpiper													
	Least Sandpiper								+					
121	Pectoral Sandpiper													
123	Dunlin								+					
	Short-billed Dowitcher								+					
	Long-billed Dowitcher								+					
					4	_	0							
	Laughing Gull				1	8	2	H	6	2	+			
	Bonaparte's Gull										-			
	Ring-billed Gull								1					
	Herring Gull				 	2		H	1		1			
	Lesser Black-backed Gull													
	Great Black-backed Gull													
	Gull-billed Tern													
147	Caspian Tern													
148	Royal Tern								3					_
	Sandwich Tern													
	Common Tern					6			1	2				
	Forster's Tern										1			
	Least Tern	1							1					
	Black Tern	<u> </u>						H	 		1			
	Black Skimmer			+	+						+			
100	OTHER SPECIES				+			H			+			
216	Boat-tailed Grackle													
					H			H			1			
	Red-breasted Merganser Barn Swallow				1	-		H			+			
	Para Swallow	1	1	T.	ı 1	1	1	1 1	1		1			

108 Spotted Sandpiper	0
TRANSECT	0 E S SW W NW
OBSERVER	S SW W NW
TIDE: LOW	
HIGH	Breeding/Notes
DISTURBANCE SOURCE Down	Breeding/Notes
DISTURBANCE SOURCE 1325	Breeding/Notes
START TIME	Breeding/Notes
END TIME	Breeding/Notes
SURF SPECIES Feeding Resting Migrating Feeding Resting Resting Migrating Feeding Resting Resti	Breeding/Notes
SP # SPECIES	Breeding/Notes
2 Common Loon 20 Brown Pelician 3 3 3 3 3 3 4 3 3 4 3 3	Breeding/Notes
20 Brown Pelican	
22 Double-crested Cormorant	
23 Great Blue Heron 24 Great Egret 25 Snowy Egret 26 Little Blue Heron 27 Tricolored Heron 33 White Ibis 34 Glossy Ibis 95 Black-bellied Plover 97 Wilson's Plover 99 Piping Plover 100 Killdeer 101 American Oystercatcher 101 American Oystercatcher 105 Solitary Sandpiper 107 Willet 108 Spotted Sandpiper 110 Mimbrel 111 Marbled Godwit 113 Ruddy Turnstone 114 Red Knot 115 Sanderling 116 Semipalmated Sandpiper 117 Western Sandpiper 118 Least Sandpiper 119 Least Sandpiper 110 Semipalmated Sandpiper 1118 Least Sandpiper 1118 Least Sandpiper 112 I Pectoral Sandpiper 112 I Pectoral Sandpiper 112 I Pectoral Sandpiper	
24 Great Egret	
25 Snowy Egret 1	
26 Little Blue Heron 27 Tricolored Heron 33 White Ibis 34 Glossy Ibis 95 Black-bellied Plover 97 Wilson's Plover 2 3 9 7 98 Semipalmated Plover 99 Piping Plover 99 Piping Plover 99 Piping Plover 90 Killdeer 91 American Oystercatcher 2 9 9 Piping Plover 91	
27 Tricolored Heron 33 White Ibis 34 Glossy Ibis 95 Black-bellied Plover 97 Wilson's Plover 2 3 7 98 Semipalmated Plover 99 Piping Plover 99 Piping Plover 99 Piping Plover 99 Piping Plover 90 Killdeer 90 Killdeer	
33 White Ibis	
34 Glossy Ibis 95 Black-bellied Plover 97 Wilson's Plover 2 3 7 98 Semipalmated Plover 99 Piping Plover 99 Piping Plover 9100 Killdeer 9101 American Oystercatcher 9104 Greater Yellowlegs 9106 Solitary Sandpiper 9106 Solitary Sandpiper 9106 Solitary Sandpiper 9108 Spotted Sandpiper 9108 Spotted Sandpiper 9109 Millot	
95 Black-bellied Plover 2 3 3 7 7 97 98 Semipalmated Plover 2 3 3 7 7 99 Piping Plover 99 Pipi	
97 Wilson's Plover	
98 Semipalmated Plover 99 Piping Plover 100 Killdeer 2 101 American Oystercatcher 2 104 Greater Yellowlegs 3 106 Solitary Sandpiper 5 107 Willet 5 108 Spotted Sandpiper 9 110 Whimbrel 110 Whimbrel 112 Marbled Godwit 113 Ruddy Turnstone 114 Red Knot 115 Sanderling 115 Sanderling 116 Semipalmated Sandpiper 117 Western Sandpiper 118 Least Sandpiper 121 Pectoral Sandpiper 121 Pectoral Sandpiper	
99 Piping Plover 100 Killdeer 101 American Oystercatcher 2 3 3 104 Greater Yellowlegs 106 Solitary Sandpiper 107 Willet 5 1 4 ten 108 Spotted Sandpiper 109 Whimbrel 110 Marbled Godwit 111 Marbled Godwit 112 Marbled Form 114 Red Knot 115 Sanderling 116 Semipalmated Sandpiper 117 Western Sandpiper 118 Least Sandpiper 118 Least Sandpiper 119 Pectoral Sandpiper 110	nests found
100 Killdeer 101 American Oystercatcher 2 3 3 104 Greater Yellowlegs 106 Solitary Sandpiper 107 Willet 5 1 4 ten 108 Spotted Sandpiper 100 Whimbrel 110 Marbled Godwit 113 Ruddy Turnstone 114 Red Knot 115 Sanderling 116 Semipalmated Sandpiper 117 Western Sandpiper 118 Least Sandpiper 118 Least Sandpiper 119 Pectoral Sandpiper 110 Least Sandpiper 1110 Least Sandpiper 1111 Pectoral Sandpi	
101 American Oystercatcher 2 3 3 104 Greater Yellowlegs 106 Solitary Sandpiper 107 Willet 5 1 4 ten 108 Spotted Sandpiper 110 Whimbrel 112 Marbled Godwit 113 Ruddy Turnstone 114 Red Knot 115 Sanderling 116 Semipalmated Sandpiper 117 Western Sandpiper 118 Least Sandpiper 118 Least Sandpiper 121 Pectoral Sandpiper 122 Pectoral Sandpiper 123 Pectoral Sandpiper 124 Pectoral Sandpiper 125 Pectoral Sandpiper 125 Pectoral Sandpiper 126 Pectoral Sandpiper 127 Pectoral Sandpiper 127 Pectoral Sandpiper 128 Pectoral Sandpiper 128 Pectoral Sandpiper 128 Pectoral Sandpiper 129 Pec	
104 Greater Yellowlegs 106 Solitary Sandpiper 107 Willet 5 1 4 ten 108 Spotted Sandpiper 1 4 ten 108 Spotted Sandpiper 10 Whimbrel 10 10 Whimbrel 10<	
106 Solitary Sandpiper 1 4 ten 107 Willet 5 1 4 ten 108 Spotted Sandpiper 1 4 ten 110 Whimbrel 1 4 ten 112 Marbled Godwit 1 <td< td=""><td></td></td<>	
107 Willet 5 1 4 ter 108 Spotted Sandpiper	
108 Spotted Sandpiper	
110 Whimbrel 112 Marbled Godwit 113 Ruddy Turnstone 114 Red Knot 115 Sanderling 116 Semipalmated Sandpiper 117 Western Sandpiper 118 Least Sandpiper 121 Pectoral Sandpiper	erritorial behavior, nest in marsh?
112 Marbled Godwit 113 Ruddy Turnstone 114 Red Knot 115 Sanderling 116 Semipalmated Sandpiper 117 Western Sandpiper 118 Least Sandpiper 121 Pectoral Sandpiper	
113 Ruddy Turnstone 114 Red Knot 115 Sanderling 116 Semipalmated Sandpiper 117 Western Sandpiper 118 Least Sandpiper 121 Pectoral Sandpiper 121 Pectoral Sandpiper	
114 Red Knot 115 Sanderling 116 Semipalmated Sandpiper 117 Western Sandpiper 118 Least Sandpiper 121 Pectoral Sandpiper	
114 Red Knot 115 Sanderling 116 Semipalmated Sandpiper 117 Western Sandpiper 118 Least Sandpiper 121 Pectoral Sandpiper	
116 Semipalmated Sandpiper 117 Western Sandpiper 118 Least Sandpiper 121 Pectoral Sandpiper	
116 Semipalmated Sandpiper 117 Western Sandpiper 118 Least Sandpiper 121 Pectoral Sandpiper	
117 Western Sandpiper 118 Least Sandpiper 121 Pectoral Sandpiper	
118 Least Sandpiper	
121 Pectoral Sandpiper	
123 Dunlin	
126 Short-billed Dowitcher	
127 Long-billed Dowitcher	
136 Laughing Gull 6 1 3 2	
138 Bonaparte's Gull	
139 Ring-billed Gull 1	
140 Herring Gull 1	
142 Lesser Black-backed Gull	
144 Great Black-backed Gull	
146 Gull-billed Tern	
147 Caspian Tern	
148 Royal Tern	
149 Sandwich Tern	
151 Common Tern 3	
153 Forster's Tern	
153 Folsier's Terri 2 2 2	
154 Least Terri	
157 Black Tem 158 Black Skimmer	
OTHER SPECIES	
316 Boat-tailed Grackle	
204 Barn Swallow	
67 Red-breasted Merganser	
41 Canada Goose	

											<u> </u>				
	DATE	6/16/2003		1		WEATHE		Clear	P. Cloudy			Lt. Rain			
	TRANSECT			3=Dudley	4=Bear	WIND SPI		0-10	10-15	15-20	>20				
	OBSERVER	Carroll, Co	oward			WIND DIR		N	NE	Е	SE	S	SW	l W	NW
	TIDE: LOW	1537				AIR TEMP	·.	88							
	HIGH	0944													\rightarrow
	DISTURBANCE LEVEL	low	-l 0 l												\rightarrow
	DISTURBANCE SOURCE		, dogs & ni	uman prints											
	START TIME END TIME	1650 1730													
	END TIME	1730	SURF			INTERTIDA	NI 1		BEACH						\dashv
SD #	SPECIES	Feeding	Resting	Migrating	Feeding		Migrating	Feeding		Migrating	H	Breedi	na/Not	00	
	Common Loon	reeding	Resuing	wiigraurig	reeding	Resung	wiigraurig	reeding	Resuing	iviigratiirig		breedi	ng/Not	<u>es</u>	-
	Brown Pelican														
	Double-crested Cormorant														-
	Great Blue Heron														-
	Great Egret														_
	Snowy Egret														
26	Little Blue Heron														_
	Tricolored Heron														
	White Ibis							1							
	Glossy Ibis														-
95	Black-bellied Plover														
	Wilson's Plover														
	Semipalmated Plover														
	Piping Plover														
	Killdeer														
	American Oystercatcher														
104	Greater Yellowlegs														\neg
106	Solitary Sandpiper														
107	Willet				1										
	Spotted Sandpiper														
	Whimbrel														\neg
112	Marbled Godwit														
113	Ruddy Turnstone														
	Red Knot														
	Sanderling														
116	Semipalmated Sandpiper														
	Western Sandpiper														
118	Least Sandpiper														
	Pectoral Sandpiper														
	Dunlin														
	Short-billed Dowitcher														
	Long-billed Dowitcher														
136	Laughing Gull						3			3					
	Bonaparte's Gull														
	Ring-billed Gull					1	1			2					
140	Herring Gull														
142	Lesser Black-backed Gull							1							_
	Great Black-backed Gull														_
	Gull-billed Tern							1							
	Caspian Tern						4	1							
148	Royal Tern						1								_
	Sandwich Tern														_
	Common Tern							1		3					
153	Forster's Tern										000000	nocts 4	oot/0		oib!-
154	Least Tern				5		4		1			nests, 1 n			อเนเต
	Black Tern						·		<u> </u>		<u> </u>	301010	, p 30.00		
158	Black Skimmer	2				1	1								
	OTHER SPECIES					· ·	·				Н				
316	Boat-tailed Grackle														
	Barn Swallow														
	Red-breasted Merganser														\neg
	Red-throated Loon														\neg
		•						•	•						—

			1			1	1		T						
	DATE	0/00/0000) A / E A T I E	2/01/07	01	D 01 1	01 1					
	DATE	6/30/2003		0.0.11	4.5	WEATHE		Clear	P. Cloudy			Lt. Rain			
	TRANSECT			3=Dudley	4=Bear	WIND SPI		0-10	10-15	15-20	>20		OVA	14/	N 13 A /
	OBSERVER	Cooper/Ca	arroll			WIND DIF		N	NE	E	SE	S	SW	W	NW
	TIDE: LOW HIGH	1430 0843				AIR TEMP	· .	96	T						
	DISTURBANCE LEVEL	high													
	DISTURBANCE SOURCE		, 5 dogs, 7	boats											
	START TIME	1310													
	END TIME	1345													
			SURF	T		INTERTIDA			BEACH		1				
	SPECIES	Feeding	Resting	Migrating	Feeding	Resting	Migrating	Feeding	Resting	Migrating		Breedi		<u>es</u>	
	Common Loon		1									si	ck?		
	Brown Pelican														
	Double-crested Cormorant														
	Great Blue Heron														
24	Great Egret		1	1											
	Snowy Egret														
	Little Blue Heron														
	Tricolored Heron														
	White Ibis														
	Glossy Ibis														
95	Black-bellied Plover														
	Wilson's Plover														
	Semipalmated Plover														
	Piping Plover														
	Killdeer										1				
	American Oystercatcher														
	Greater Yellowlegs														
106	Solitary Sandpiper														
	Willet				1		2								
	Spotted Sandpiper				· ·		_								
	Whimbrel														
	Marbled Godwit														
	Ruddy Turnstone														
	Red Knot														
	Sanderling				1					 			ick?		
	Semipalmated Sandpiper				'					 		3	CK!		
	Western Sandpiper									 					
	Least Sandpiper									 					
110	Pectoral Sandpiper														
	Dunlin														
	Short-billed Dowitcher									\vdash					
	Long-billed Dowitcher			7	-	2	2			-					
130	Laughing Gull			7		3	3			3					
	Bonaparte's Gull														
	Ring-billed Gull					1									
140	Herring Gull														
	Lesser Black-backed Gull														
	Great Black-backed Gull														
	Gull-billed Tern														
	Caspian Tern														
148	Royal Tern														
	Sandwich Tern														
	Common Tern														
	Forster's Tern														
	Least Tern						3			2					
	Black Tern														
158	Black Skimmer														
	OTHER SPECIES														
316	Boat-tailed Grackle						1								
	Barn Swallow									1					
322	House Finch								4						

	DATE	6/30/2003		0.5. !!		WEATHE		Clear	P. Cloudy			Lt. Rain			
	TRANSECT	1=Bogue	2=Inlet	3=Dudley	4=Bear	WIND SPI		0-10	10-15	15-20	>20		0)4/	10/ 1	
	OBSERVER	Cooper/Ca	arroll			WIND DIR		N	NE	Е	SE	S	SW	W N	NW
	TIDE: LOW HIGH	1430 0843				AIR TEMP	'. 	94	1						
	DISTURBANCE LEVEL														
	DISTURBANCE SOURCE	high 20 people	hooto												
	START TIME	1415	, boats												
	END TIME	1530													
	END TIME	1550	SURF			INTERTIDA	VI I		BEACH						_
SD #	SPECIES	Feeding	Resting	Migrating	Feeding		Migrating	Feeding		Migrating	Н	Breedi	na/Not	00	
	Common Loon	i eeuiiig	rtesung	iviigratiiig	i ecuing	rtesung	Migrating	recuirig	rtesting	wiigraurig		Dieeui	ilg/INUL	55	
	Brown Pelican						3								
	Double-crested Cormorant						3								_
	Great Blue Heron														
	Great Egret				1										
	Snowy Egret				2										_
	Little Blue Heron														_
	Tricolored Heron														_
	White Ibis	+													
	Glossy Ibis														_
95	Black-bellied Plover														_
	Wilson's Plover	+			1										_
	Semipalmated Plover				' '										_
	Piping Plover														_
	Killdeer														_
	American Oystercatcher														_
104	Greater Yellowlegs														_
106	Solitary Sandpiper														
	Willet				2										
	Spotted Sandpiper				_										
	Whimbrel														_
	Marbled Godwit														
	Ruddy Turnstone														_
	Red Knot														_
	Sanderling														
	Semipalmated Sandpiper				1										
117	Western Sandpiper				1										
	Least Sandpiper														
121	Pectoral Sandpiper														
	Dunlin														
	Short-billed Dowitcher														
	Long-billed Dowitcher														
	Laughing Gull				7	73	13						+5		
	Bonaparte's Gull				1								ick?		
	Ring-billed Gull				2	3									
140	Herring Gull				5	3									
142	Lesser Black-backed Gull														
144	Great Black-backed Gull						1								
	Gull-billed Tern														
	Caspian Tern														
148	Royal Tern					14	1								
149	Sandwich Tern					1	1								
	Common Tern														
	Forster's Tern						2					imn	nature		
	Least Tern				1	40	3				+48	; nests on	SW sid	e of pool	,
	Black Tern										1 chic	k-unfledge	ed; 1 nes	t w/2 eg	gs
158	Black Skimmer											(approx.	15-30 ne	sts)	
	OTHER SPECIES														
316	Boat-tailed Grackle														
	Osprey						1								
204	Barn Swallow						1								
											+ #'s	indicates	addition	al birds c	on .
												nd but outs			
									-						

DATE RINNSECT 1-8-Digute 2-Intel 3-Didding 4-Bear WIND SPEED Clear P. Cloudy 15-20 2-20 II. Rain The Ringue 2-Intel 15-20 2-20 II. Rain The Ringue 1-20 II. Rain II. Ra																				
TRANSECT			Щ				<u> </u>													
Conserver			1	Lt. Rain																
TIDE LOW														4=Bear	3=Dudley					
HIGH	SW W	SW	SV	S	SE	E	E	NE	N		TION					er	oop			
DISTURBANCE SOURCE Canoes, 7 epople, dog prints 1145										88		EMP.	AIR							
DISTURBANCE SOURCE Canoes, 7 epople, dog prints START TIME 1145																				
START TIME																				
END TIME															g prints	ople, do	ep			
SURF SPECIES Feeding Resting Migrating Resting Migrating Feeding Resting Migrating Feeding Resting Migrating Resti																				
SP # SPECIES																		1256	ND TIME	
2 Common Loon							1													
22 Brown Pelican	ਤੁ/Notes	Notes//	ng/N	Breedir		ating	Migra	sting	Rest	Feeding	grating	g N	Rest	Feeding	Migrating	esting	R	Feeding		
22 Dutille-crested Comorant 23 Great Blue Heron						\longrightarrow														
23 Great Blue Heron						\longrightarrow			_								\perp			_
24 Great Egret						\longrightarrow														
25 Snowy Egret																				
25 Little Blue Heron											1									
1						1	1													
33 White Ibis														1						
33 Glossy bis							_													
95 Black-belliad Plover						1	1										_			
197 Wilson's Plover 3 2																				
Semipalmated Plover																				
99 Piping Plover	-	-						2					;				\perp			
100 Killdeer	vior observed	ior obse	navior	gning beh	fei												\perp			
101 American Oysteratcher																				
104 Greater Yellowlegs						3	3													
106 Solitary Sandpiper																				
107 Willet																				
108 Spotted Sandpiper																				
110 Whimbrel	behavior	behavior	al ber	territoria		2	2	1		1				2						
112 Marbled Godwit																				
113 Ruddy Turnstone																				
114 Red Knot																				
115 Sanderling																				
116 Semipalmated Sandpiper																				
117 Western Sandpiper																				
118 Least Sandpiper																				
121 Pectoral Sandpiper																				
123 Dunlin																				
126 Short-billed Dowitcher 177 Long-billed Dowitcher 186 Laughing Gull 1																			ectoral Sandpiper	121
127 Long-billed Dowitcher 136 Laughing Gull 1 2 2 1 1 1 1 1 1 1																				
136 Laughing Gull																			nort-billed Dowitcher	126
138 Bonaparte's Gull 1																			ong-billed Dowitcher	127
139 Ring-billed Gull						1	1						:	2	1				aughing Gull	136
139 Ring-billed Gull																			onaparte's Gull	138
140 Herring Gull 142 Lesser Black-backed Gull 144 Great Black-backed Gull 146 Gull-billed Tern 147 Caspian Tern 148 Royal Tern 149 Sandwich Tern 151 Common Tern 153 Forster's Tern 154 Least Tern 1 2 157 Black Tern 158 Black Skimmer OTHER SPECIES 316 Boat-tailed Grackle 1 199 Purple Martin 3 1 1 1 1 1 1 1 1 1	red	ed	ijured	inj															ng-billed Gull	139
142 Lesser Black-backed Gull 144 Great Black-backed Gull 146 Gull-billed Tern 147 Caspian Tern 148 Royal Tern 149 Sandwich Tern 151 Common Tern 153 Forster's Tern 154 Least Tern 157 Black Tern 158 Black Skimmer OTHER SPECIES 316 Boat-tailed Grackle 199 Purple Martin																			erring Gull	140
144 Great Black-backed Gull 146 Gull-billed Tern 147 Caspian Tern 148 Royal Tern 149 Sandwich Tern 151 Common Tern 153 Forster's Tern 154 Least Tern 157 Black Tern 1 2 158 Black Skimmer 0 THER SPECIES 316 Boat-tailed Grackle 1 1 199 Purple Martin 3																			esser Black-backed Gull	142
146 Gull-billed Tern 147 Caspian Tern 148 Royal Tern 148 Royal Tern 149 Sandwich Tern 151 Common Tern 153 Forster's Tern 154 Least Tern 157 Black Tern 1 2 158 Black Skimmer 0 THER SPECIES 316 Boat-tailed Grackle 1 1 199 Purple Martin 3																			reat Black-backed Gull	144
147 Caspian Tern 148 Royal Tern 149 Sandwich Tern 151 Common Tern 153 Forster's Tern 153 Forster's Tern 157 Black Tern 1 2 158 Black Skimmer 1 2 0THER SPECIES 316 Boat-tailed Grackle 1 1 199 Purple Martin 3 3																	T			
148 Royal Tern 149 Sandwich Tern 151 Common Tern 153 Forster's Tern 154 Least Tern 157 Black Tern 158 Black Skimmer OTHER SPECIES 316 Boat-tailed Grackle 199 Purple Martin						$\neg \uparrow$													aspian Tern	147
149 Sandwich Tern 151 Common Tern 153 Forster's Tern 154 Least Tern 157 Black Tern 1 2 158 Black Skimmer 0 THER SPECIES 316 Boat-tailed Grackle 1 1 199 Purple Martin 3 3																	T		oyal Tern	148
151 Common Tern						-+											\top		andwich Tern	149
153 Forster's Tern						-+											T			
154 Least Tern						-+											T			
157 Black Tern						2	2	1									T			
158 Black Skimmer						-+											+			
OTHER SPECIES 1 316 Boat-tailed Grackle 1 199 Purple Martin 3						-+											+			
316 Boat-tailed Grackle						-											+			
199 Purple Martin 3						1	1		1								+			316
313 Red-winged Blackbird 2																	+			
			-						1								+		ed-winged Blackbird	313
						-	<u> </u>		+								+			- 10
NOTE: painted bunting in shrub thicket outside of survey area						-+			+						survev area	utside of	t o	rub thicke	OTE: painted bunting in sh	
							-								.,				p	

		1	T												
	DATE	6/30/2003				WEATHE	D/CI/V	Class	D. Claudy	Clavidy	F	I A Dain			
	TRANSECT	1=Bogue		3=Dudley	4-Door	WIND SP		Clear 0-10	P. Cloudy 10-15	Cloudy 15-20	Fog >20	Lt. Rain			
	OBSERVER	Carroll/Eri		3-Dudley	4-Dear	WIND DIF			NE	15-20 E	SE	S	SW	W	NW
	TIDE: LOW	14:30	ın Haigni			AIR TEM		94	INE	E	SE	5	SVV		INVV
	HIGH	0843				AIK I EIVII	7. T	94							
	DISTURBANCE LEVEL	high													
	DISTURBANCE SOURCE		, 2 dogs, 4	hoot											
	START TIME	1600	, 2 dogs, 4	Doat											
	END TIME	1650													
	END TIME	1030	SURF			INTERTID	۸۱		BEACH						
CD #	SPECIES	Feeding	Resting	Migrating		Resting	Migrating	Feeding	Resting	Migrating		Droodi	aa/Nlat		
	Common Loon	reeding	Resuing	wigraung	reeding	Resung	iviigratirig	reeding	Resurig	Migrating		Breedi	ig/ivoi	25	
	Brown Pelican														
-	Double-crested Cormorant														
	Great Blue Heron														
	Great Egret														
24	Snowy Egret														
	Little Blue Heron														
	Tricolored Heron				H	-		H	1		+			—	
	White Ibis														
	Glossy Ibis														
	Black-bellied Plover				-						-				
	Wilson's Plover														
	Semipalmated Plover														
	Piping Plover														
	Killdeer										-				
	American Oystercatcher														
104	Greater Yellowlegs Solitary Sandpiper								-						
	Willet														
	Spotted Sandpiper														
	Whimbrel														
	Marbled Godwit														
112	Ruddy Turnstone														
	Red Knot														
	Sanderling														
	Semipalmated Sandpiper														
110	Western Sandpiper														
									-						
110	Least Sandpiper Pectoral Sandpiper														
	Dunlin														
	Short-billed Dowitcher														
	Long-billed Dowitcher														
	Laughing Gull					116	3		1		+			—	
120	Bonaparte's Gull				-	110	3								
	Ring-billed Gull				2	3	1								
139	Herring Gull				-	16	1				-				
140	Lesser Black-backed Gull					10									
	Great Black-backed Gull														
	Gull-billed Tern														
	Caspian Tern				 				1		+				
	Royal Tern					11	1								
140	Sandwich Tern					11	1								
	Common Tern					5	I		1						
						5									
	Forster's Tern				H	40		H	40	-	-	11-1	- 4 1 1		4
	Least Tern Black Tern					19			16	2	2 pc	ossible nes	ıs, 1 def	ınıte ne	est
					H			H			-				
158	Black Skimmer				-				1		-				
240	OTHER SPECIES					-		H	1						
	Boat-tailed Grackle				 						-				
	Barn Swallow								1						
	Red-breasted Merganser				 			H							
1 1	Red-throated Loon														